



Sunshine
Water Control District

REGULAR MEETING AGENDA

June 14, 2023

**SUNSHINE
WATER CONTROL DISTRICT**

**AGENDA
LETTER**



June 7, 2023

Board of Supervisors
Sunshine Water Control District

ATTENDEES:
Please identify yourself each time you speak to facilitate accurate transcription of meeting minutes.

Dear Board Members:

The Board of Supervisors of the Sunshine Water Control District will hold a Regular Meeting on June 14, 2023 at 6:30 p.m., at the Sartory Hall, 10150 NW 29 St., Coral Springs, Florida 33065. The agenda is as follows:

1. Call to Order
2. Roll Call
3. Pledge of Allegiance
4. Public Comments **[3-Minute Time Limit]** *(Comments should be made from the microphone to ensure recording. Please state your name prior to speaking.)*
5. Consideration of 401(A) Related Matters
6. Consideration of CAS Proposal No. 3681B for NW 123rd Avenue Control Structure Modification at Canal "LL"
7. Consideration of Quotes for District Access at 9725 NW 36 Manor
8. Consideration of Resolution 2023-04, Designating Dates, Times and Locations for Regular Meetings of the Board of Supervisors of the District for Fiscal Year 2023/2024 and Providing for an Effective Date
9. Acceptance of Unaudited Financial Statements as of April 30, 2023
10. Approval of May 10, 2023 Regular Meeting Minutes
11. Supervisors' Communications
12. Staff Reports
 - A. District Counsel: *Lewis, Longman & Walker, P.A.*
 - B. District Engineer: *Craig A. Smith & Associates*

- I. Presentation: Monthly Engineer’s Report
- II. Permit Application(s)
 - Comcast [Directional Bore Installation of Fiber Optic Cable]
 - Broward County Board of County Commissioners (BCBOCC) [Bridge Deck Repair]
- C. District Engineering Consultant: *John McKune*
- D. District Field Supervisor: *Cory Selchan*
- E. District Manager: *Wrathell, Hunt & Associates, LLC*
 - NEXT MEETING DATE: July 12, 2023 at 6:30 PM


○ QUORUM CHECK

JOE MORERA	<input type="checkbox"/>	IN PERSON	<input type="checkbox"/>	PHONE	<input type="checkbox"/>	NO
IVAN ORTIZ	<input type="checkbox"/>	IN PERSON	<input type="checkbox"/>	PHONE	<input type="checkbox"/>	NO
CAROL SMITH	<input type="checkbox"/>	IN PERSON	<input type="checkbox"/>	PHONE	<input type="checkbox"/>	NO

13. Public Comments

14. Adjournment

Should you have any questions, please contact me directly at (561) 346-5294 or Jamie Sanchez at (561) 512-9027.

Sincerely,

 Cindy Cerbone
 District Manager

FOR BOARD MEMBERS AND STAFF TO ATTEND BY TELEPHONE
CALL-IN NUMBER: 1-888-354-0094
PARTICIPANT PASSCODE: 131 733 0895

**SUNSHINE
WATER CONTROL DISTRICT**

6



May 26, 2023

Ms. Jamie Sanchez, District Manager
Sunshine Water Control District
2300 Glades Road, Suite 410W
Boca Raton, FL 33431

**RE: Sunshine Water Control District – NW 123rd Avenue Control Structure Modification at Canal “LL” Professional Services for Surveying, Engineering Design, Permitting, Bidding, & Engineering Services During Construction
CAS Proposal No. 3681B**

Dear Ms. Sanchez;

Pursuant to the District's request and in accordance with the December 2017 Water Control Plan Update, Craig A. Smith and Associates (CAS) is pleased to provide a professional services proposal for Surveying, Engineering Design, Permitting, Bidding, and Engineering Services During Construction for the NW 123rd Avenue Control Structure Modification at Canal “LL” for the Board of Supervisors approval. CAS staff has previously met with SWCD staff regarding the project approach to address the control of flows within Canal LL west of NW 123rd Avenue.

Brief background: (Refer to the attached Exhibit “A”) Canal LL is encumbered by the Sawgrass Regional Park (SRP) drainage system designed by others back in the mid 90's. It is encumbered because it is not a free flowing canal. The stormwater storage requirement for the SRP was met with the inclusion of Canal LL right-of-way in addition to a lake and wetland system on the southside of the canal and is controlled by drainage structures east and west of the canal segment within the SRP. North of Canal LL are the middle school and ice skating rink which count on this storage to comply with the SWCD's SFWMD Master Permit requirements. Storm runoff from the SRP discharges into this canal section and southern lake and are controlled by twin riser control structures located on NW 123rd Avenue that were intended to discharge to the east and a concrete overflow dam that was intended to discharge to the west. The twin riser control structures were not intended to operate when direction of flow is reversed due to downstream prevailing rising water conditions. The hydraulic impacts of this condition result in storm runoff overtopping the road as observed by SWCD staff in the past. Basically, the design of the SRP stormwater system was not ideal for optimum SWCD operations and attempting to bifurcate or reroute flows today from the two northern sites (school & ice skating rink) would be costly, impractical, and logistically unfeasible.

Please note that some services are hourly based where noted and are intended to provide the District with sufficient CAS representation during the course of construction. Services not hourly based will be billed as lump sum to the project.



CAS proposes to accomplish the professional services as follows:

TASK	TASK DESCRIPTION	FEE
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S02	MAP OF TOPOGRAPHIC SURVEY	
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Field surveying to produce a Map of Topographic Survey within the right of way for NW 123rd Ave. and Canal LL for use in the design of drainage improvements. Rims, pipe invert sizes and material information will be shown at all drainage structures, as available. Canal cross sections will be taken 50 feet east and 65 feet west of the existing structures, canal right of way to right of way. Elevations will be gathered as relative to National Geodetic Vertical Datum of 1929 (NGVD '29). The Map of Topographic Survey adhering to Florida Statutes Chapter 472.027, Florida Administrative Code 5J-17 (Standards of Practice for Surveying in the State of Florida) will be represented on sheets at an appropriate scale and 6 certified copies will be provided. A PDF and Cad file of the survey will be provided, also. This proposal does not include adherence to any standards other than those indicated.

Lump Sum Fee: \$3,480.00

S87	PROVIDE LOCATES – GPR/EM SERVICES	
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Provide utility location and verification services within the corridors discussed in Task S 86 above, using APWA standards for marking. A subsurface ground penetrating radar (GPR) unit shall be used in addition to electromagnetic induction (EM) to perform/verify horizontal locations of existing utility lines. Utility lines will be painted on the surface or marked with pin flags.

Lump Sum Fee: \$1,200.00

E53	DRAINAGE SYSTEM DESIGN AND ANALYSIS	
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CAS will develop engineering plans containing drainage improvements for NW 123rd Avenue at Canal LL for bidding and construction containing plan and profile views of the proposed work using the most recently obtained version of Autodesk Civil3D CADD software. CAS will compile the survey data to perform computer hydraulic modeling at these locations of the area to evaluate the hydraulic capacities with structure modifications. Coordinated with vendors. CAS will coordinate with local utilities as reasonably necessary to resolve known utility conflicts during the design. CAS will develop quantity take-offs for the purposes of completing a final Engineer's Opinion of Probable Cost Estimate for the proposed work.

Lump Sum Fee: \$9,500.00

Future Consideration: In between these riser structures and the dam is a 48" diameter culvert crossing on Sportsplex Drive. This crossing appears to place some limitations on flow control as well. While no replacement is proposed at this time, monitoring of the Sportsplex Drive culvert will be performed by SWCD when possible to assess the need to replace the culvert with input from CAS.

E61 PERMITTING

Prior to any work commencing, CAS will initiate a pre-application meeting with the South Florida Water Management District (SFWMD) to discuss the project approach. If acceptable to SFWMD, CAS will proceed with the authorized work and prepare and submit an Environmental Resource Permit application for the proposed project that will include up to 2 responses for request for additional information. This includes coordinating with the City of Coral Springs. Permit fees are not included.

Lump Sum Fee: \$8,200.00

E15 CONTRACT DOCUMENTS AND ASSISTANCE DURING BIDDING

CAS will prepare contract documents and specifications and assist the OWNER in advertising for and obtaining bids. Advertising costs are not included in this proposal. CAS will conduct a pre-bid meeting and respond to prospective bidders' requests for additional information via contract addendums until the question and answer period is over.

CAS will perform the bid review on the Owner's behalf. The review will strictly tabulate bid item totals and evaluates the overall submittal packages from the submitted bids. This is based on the copies of the contract forms provided, document completeness, including addendum acknowledgements, bid guarantee, and reference checks for the purposes of recommending to Owner the apparent lowest and most responsive-responsible bidder for project award.

Lump Sum Fee: \$8,000.00

E56 ENGINEERING SERVICES DURING CONSTRUCTION (HOURLY)

CAS will act as the Owner's Engineer and visit the site at intervals appropriate to the stages of construction to provide construction observation as necessary for certifications to the appropriate agencies. CAS will conduct construction progress meetings, review and approve shop drawings, review pay request applications, negotiate change orders as necessary, conduct a final inspection with the appropriate agencies to determine if the work is acceptable, and assist the Owner with project close-out procedures. This fee is based on a 1-month construction period. Construction services required beyond this period will be billed at **\$4,160.00** per month.

Hourly Not To Exceed Amount: \$4,160.00

E57 CONSTRUCTION OBSERVATION SERVICES (HOURLY)

Note: These services only cover work on NW 123rd Avenue. CAS will act as the Owner's representative, monitoring construction on a part time basis (24 hours/week) to ensure the project is being constructed substantially in accordance to the plans. As the Owner's representative, CAS will oversee required testing, review test results, and provide weekly construction reports, coordinate between engineers and contractor to resolve construction issues in preparation for a final certification. CAS will visit the site with the OWNER and assist in resolving with the Contractor apparent defects or deficiencies. This fee is based on a 1-month construction period and will be billed on an hourly basis not to exceed the amount listed unless authorized by Owner. Construction observation services required beyond this period will be billed at **\$11,650.00** per month on an hourly basis.

Ms. Jamie Sanchez, District Manager
Sunshine Water Control District

**RE:Sunshine Water Control District – NW 123rd Avenue Control Structure Modification at Canal “LL”
CAS Proposal No. 3681B**

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CAS will assist the OWNER in the closing of financial matters, review and submit a set of record prints showing as-built information (furnished to us by the Contractor) and provide certification to appropriate governmental agencies.

Hourly Not To Exceed Amount: \$11,650.00

SUBCONSULTANT – Geotechnical Engineering Services

Radise International’s detailed Scope of Services is attached and made part of this proposal to provide geotechnical services for the proposed control structure for a lump price.

Lump Sum Fee: \$5,775.00

Summary Of Costs

CAS proposes to accomplish the professional engineering services listed for the following total lump sum fee, which is the sum of the fees for each phase and its specific work tasks:

MAP OF TOPOGRAPHIC SURVEY	\$3,480.00
UNDERGROUND UTILITY LOCATION SERVICES – GPR/EM	\$1,200.00
DRAINAGE SYSTEM DESIGN, ANALYSIS, & COST ESTIMATES	\$9,500.00
PERMITTING	\$8,200.00
CONTRACT DOCUMENTS AND ASSISTANCE DURING BIDDING	\$8,200.00
ENGINEERING SERVICES DURING CONSTRUCTION	\$4,160.00
CONSTRUCTION OBSERVATION SERVICES	\$11,650.00
SUBCONSULTANT – GEOTECHNICAL SERVICES	\$5,775.00
TOTAL	\$52,165.00

Ms. Jamie Sanchez, District Manager
Sunshine Water Control District

**RE:Sunshine Water Control District – NW 123rd Avenue Control Structure Modification at Canal “LL”
CAS Proposal No. 3681B**

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Thank you for your time and effort in supporting this project and your business is appreciated. Any service not specifically included in the final Agreement will be considered as an Additional Service. CAS will accomplish Additional Services upon proper written authorization of the OWNER. If this proposal is acceptable, please execute as indicated and return one executed copy to our office for our files.

Yours Sincerely,

CRAIG A. SMITH & ASSOCIATES



Orlando A. Rubio, PE
VP of Stormwater Engineering

ACCEPTED BY:

SUNSHINE WATER CONTROL DISTRICT

Signature

Date

Jose E. Morera

Name of Authorized Representative

Board President

Title of Authorized Representative

Enclosure: Map of general project area (Exhibit A)

Cc: SWCD – Cory Selchan, District Superintendent (via e-mail)
WHA – Cindy Cerbone, Gianna Denofrio (via e-mail)

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May 22, 2023

Craig A. Smith & Associates
21045 Commercial Trail
Boca Raton, Florida 33486

Attention: Mr. Orlando A. Rubio, P.E.
Email: orubio@craigasmith.com
Phone: 561.314.4445, x203

**RE: Proposal for Geotechnical Engineering Services
NW 123 AVE Control Structures
Coral Springs, Florida**

Dear Mr. Rubio,

RADISE International, L.C. (RADISE) is pleased to submit this proposal for the above referenced project. We understand that the project plans to install 1 or 2 large drainage control structures at the canal crossing; one large, modified Type H” or 2 Type “H” inlets. This proposal presents our proposed scope of work and establishes our schedule and fee for performing the work.


SCOPE OF SERVICES

The proposed scope of work for the project consists of the following:

1. Visit the site to field mark (paint and/or stake) the planned boring locations and observe existing site conditions.
2. Contact Sunshine 811 to request field location of underground utilities in the areas of the proposed borings as per Florida Statutes.
3. Mobilize personnel and truck-mounted drilling equipment to the site and perform the following:
 - Perform one (1) Standard Penetration Test (SPT) borings to depths of 40 feet near the existing control structure.
 - The borehole will be grouted upon completion.
4. Visually classify the collected soil samples in the field with laboratory confirmation/QC verification of classifications using the Unified Soil Classification System (USCS).
5. Assign and perform a series of laboratory tests (moisture content, fines content, & organic content) to ascertain soil index properties for the soils encountered in each boring.
6. Perform a geotechnical analysis and prepare a geotechnical engineering report which will include, but not necessarily be limited to:
 - Overall site map showing the location of the soil boring.
 - Ground water level elevations (including seasonal fluctuation).
 - Soil boring profile showing soil identifications, depth, groundwater, and standard penetration “N-values”.
 - Soil classification per USCS.



 561.841.0103

 4152 W. Blue Heron Blvd. Suite 1114,
Riviera Beach, FL 33404

 www.RADISE.com

- Results of soil laboratory testing.
- Pipeline bedding, backfill and compaction recommendations.
- Recommendations for groundwater control during excavations and pipeline trenching.
- Estimates of engineering parameters of the soil.
- Foundation recommendations for control structures.

SCHEDULE/DELIVERABLES

Upon receiving written authorization to proceed, we will commence with field marking of the boring locations and preparation of the utility locate request. Mobilization for the drilling operations will occur after Sunshine 811 clearance of the boring locations is received from the contacted utilities. These upfront activities are expected to require no more than 2 weeks to complete.

The specified field work is expected to require 1 day to complete. Laboratory visual classification of the soils and report preparation will require about 3 weeks to complete following completion of field work. We expect to provide the final report signed and sealed by a registered professional engineer within 6 weeks of notice to proceed; however, accelerations of this schedule may be facilitated if needed.

COMPENSATION & TERMS

Based upon our understanding of the project and interpretation of your requirements, we propose to perform the proposed scope of work for a Lump Sum Fee as detailed in the Fee Breakdown on Attachment A.

Soil samples obtained from the drilling operations will be retained by RADISE for a period of 90 days from the date of drilling and then they will be discarded unless alternate terms are agreed to in writing with the client.

CLOSURE

We appreciate the opportunity to provide our services for this project, and trust that the scope of work and fee presented in this proposal are clear and understandable. Should the proposal contents require any clarification or amplification, please feel free to contact us.

Sincerely,

RADISE International, L.C.



Akash Bissoon, P.E.

Senior Engineer

Attachments: A - Fee Breakdown

Attachment "A"

1.0	FIELD EXPLORATION		
	1.1 <u>Field Marking & Utility Locate/Clearance Coordination</u>		
	1.1.1 Staff Engineer		
	1.2 SPT borings (1 to 40')		
	1.2.1 Mobilize Drill Rig		
	1.2.2 SPT Boring (0' to 50')		
	1.2.3 Casing (0' to 50')		
	1.2.4 Grout Seal (0' to 50')		
		TOTAL FIELD WORK	\$ 2,490.00
2.0	LABORATORY SERVICES		
	2.1 Visual Classification (Staff Engineer)		
	2.1 Visual Classification		
	2.2 Natural Moisture Content		
	2.3 Fine Content Determination		
	2.4 Organic Content Determination		
		TOTAL PROFESSIONAL SERVICES	\$ 405.00
3.0	PROFESSIONAL SERVICES		
	3.1 Senior Geotechnical Engineer		
	3.2 Project Engineer		
	3.3 Staff Engineer		
	3.4 Drafter/CADD		
		TOTAL PROFESSIONAL SERVICES	\$ 2,880.00
		TOTAL AMOUNT	\$ 5,775.00

EXHIBIT A CAS PROPOSAL 3681B



**SUNSHINE
WATER CONTROL DISTRICT**

8

RESOLUTION 2023-04

A RESOLUTION OF THE BOARD OF SUPERVISORS OF THE SUNSHINE WATER CONTROL DISTRICT DESIGNATING DATES, TIMES AND LOCATIONS FOR REGULAR MEETINGS OF THE BOARD OF SUPERVISORS OF THE DISTRICT FOR FISCAL YEAR 2023/2024 AND PROVIDING FOR AN EFFECTIVE DATE

WHEREAS, the Sunshine Water Control District ("District") is a local unit of special-purpose government organized and existing in accordance with Chapter 298, Florida Statutes, and situated entirely within Broward County, Florida; and

WHEREAS, the Board of Supervisors of the District ("Board") is statutorily authorized to exercise the powers granted to the District; and

WHEREAS, the District is required by Florida law to prepare an annual schedule of its regular public meetings which designates the date, time and location of the District's meetings; and

WHEREAS, all meetings of the Board shall be open to the public and governed by the provisions of Chapter 286, *Florida Statutes*; and

NOW, THEREFORE BE IT RESOLVED BY THE BOARD OF SUPERVISORS OF THE SUNSHINE WATER CONTROL DISTRICT

SECTION 1. ADOPTING REGULAR MEETING SCHEDULE. Regular meetings of the District's Board shall be held during Fiscal Year 2023/2024 as provided on the schedule attached hereto as **Exhibit A**.

SECTION 2. FILING. The District Manager is hereby directed to submit a copy of the Fiscal Year 2023/2024 annual public meeting schedule to Broward County and the Department of Economic Opportunity.

SECTION 3. EFFECTIVE DATE. This Resolution shall take effect immediately upon adoption.

PASSED AND ADOPTED this 14th day of June, 2023.

ATTEST:

SUNSHINE WATER CONTROL DISTRICT

Secretary /Assistant Secretary

President/Vice President, Board of Supervisors

EXHIBIT "A"

SUNSHINE WATER CONTROL DISTRICT		
BOARD OF SUPERVISORS FISCAL YEAR 2023/2024 MEETING SCHEDULE		
LOCATION		
<i>Sartory Hall, 10150 NW 29 St., Coral Springs, Florida 33065</i>		
DATE	POTENTIAL DISCUSSION/FOCUS	TIME
October 11, 2023	Regular Meeting	6:30 PM
November 8, 2023	Regular Meeting	6:30 PM
December 13, 2023	Regular Meeting	6:30 PM
January 10, 2024	Regular Meeting	6:30 PM
February 14, 2024	Regular Meeting	6:30 PM
March 13, 2024	Landowners' Meeting & Regular Meeting	6:30 PM
April 10, 2024	Regular Meeting	6:30 PM
May 8, 2024	Regular Meeting	6:30 PM
June 12, 2024	Regular Meeting	6:30 PM
July 10, 2024	Regular Meeting	6:30 PM
August 14, 2024	Regular Meeting	6:30 PM
September 11, 2024	Regular Meeting	6:30 PM

**SUNSHINE
WATER CONTROL DISTRICT**

**UNAUDITED
FINANCIAL
STATEMENTS**

**SUNSHINE
WATER CONTROL DISTRICT
FINANCIAL STATEMENTS
UNAUDITED
APRIL 30, 2023**

**SUNSHINE
WATER CONTROL DISTRICT
BALANCE SHEET
GOVERNMENTAL FUNDS
APRIL 30, 2023**

	General Fund	Debt Service Fund Series 2021	Total Governmental Funds
ASSETS			
Centennial Bank	\$ 3,345,041	\$ -	\$ 3,345,041
Centennial Bank - escrow	81,105	-	81,105
DS - Series 2021	-	1,188,928	1,188,928
Investments			
State Board of Administration			
A Investment account	5,302	-	5,302
A Bank maintenance reserve account	2,777	-	2,777
A Renewal & replacement reserve account	2,067	-	2,067
A Equipment replacement reserve account	218	-	218
Centennial Bank - MMA	260,378	-	260,378
FineMark Bank - MMA	249,014	-	249,014
FineMark Bank - ICS	12,071,187	-	12,071,187
Iberia Bank - MMA	5,536	-	5,536
Due from general fund	-	9,835	9,835
Total assets	<u>\$16,022,625</u>	<u>\$ 1,198,763</u>	<u>\$ 17,221,388</u>
LIABILITIES			
Liabilities:			
Retainage payable	57,823	-	57,823
Due to debt service	9,835	-	9,835
Deposits payable/trash bonds	217,000	-	217,000
Cost recovery deposits	52,878	-	52,878
Pension payable	3,158	-	3,158
Total liabilities	<u>340,694</u>	<u>-</u>	<u>340,694</u>
FUND BALANCES			
Assigned:			
3 months working capital	1,760,312	-	1,760,312
Disaster recovery	3,500,000	-	3,500,000
Truck replacement	180,000	-	180,000
Restricted for			
Debt service	-	1,198,763	1,198,763
Unassigned	10,241,619	-	10,241,619
Total fund balances	<u>15,681,931</u>	<u>1,198,763</u>	<u>16,880,694</u>
Total liabilities and fund balances	<u>\$16,022,625</u>	<u>\$ 1,198,763</u>	<u>\$ 17,221,388</u>

**SUNSHINE
WATER CONTROL DISTRICT
STATEMENT OF REVENUES, EXPENDITURES,
AND CHANGES IN FUND BALANCES
GENERAL FUND
FOR THE PERIOD ENDED APRIL 30, 2023**

	Current Month	Year to Date	Adopted Budget	% of Budget
REVENUES				
Assessments	\$ 42,632	\$ 3,503,053	\$ 3,610,139	97%
Interest and miscellaneous	3,754	30,084	9,000	334%
Permit review fees	-	1,400	2,450	57%
Cost recovery	-	-	17,500	0%
Total revenues	<u>46,386</u>	<u>3,534,537</u>	<u>3,639,089</u>	97%
EXPENDITURES				
Administrative				
Supervisors	-	400	1,800	22%
Supervisor health care benefits	-	2,369	25,000	9%
Supervisors reimbursement	-	174	7,500	2%
Management/accounting/recording	5,478	38,345	65,734	58%
DSF & CPF accounting	1,280	8,957	15,355	58%
Dissemination fee	83	583	1,000	58%
Arbitrage rebate calculation	-	-	750	0%
Trustee	-	-	5,000	0%
Audit	1,000	3,000	11,500	26%
Legal	3,278	32,934	95,000	35%
Legal - legislative representation	6,417	38,917	53,100	73%
Retirement plan consulting	-	-	10,000	0%
Human resource services	629	4,408	7,557	58%
Communication	-	-	7,500	0%
Dues/subscriptions	-	4,000	4,500	89%
Rent - operations facility	4,055	28,391	48,666	58%
Insurance	-	25,118	35,440	71%
Legal advertising	-	994	2,500	40%
Office supplies and expenses	-	168	1,500	11%
Postage	47	585	1,200	49%
Postage-ROW clearing	-	-	500	0%
Printing and binding	117	817	1,400	58%
Website	-	1,109	3,000	37%
ADA website compliance	-	-	210	0%
Contingencies	-	4,966	5,000	99%
Total administrative expenses	<u>22,384</u>	<u>196,235</u>	<u>410,712</u>	48%
Field operations				
Salaries and wages	33,362	248,035	437,561	57%
FICA taxes	2,933	19,496	33,473	58%
Special pay	-	1,534	2,000	77%
Bonus program	5,000	5,000	2,500	200%
401a retirement plan	6,334	30,940	43,756	71%
Health insurance	24,196	163,848	325,000	50%
Workers' compensation insurance	-	12,520	15,000	83%
Engineering	1,487	14,630	100,000	15%
Engineering - capital outlay westchester	-	-	7,500	0%
Engineering - capital outlay ps1 & ps2	1,837	83,695	42,472	197%
Engineering - capital outlay ps1 h/s/c	4,182	59,958	134,000	45%
Engineering - capital outlay NW 123 ave	-	-	12,550	0%
Engineering - capital outlay Riverside drive	-	-	251,586	0%
Engineering - capital outlay University drive	-	-	89,627	0%
Engineering - telemetry	-	-	75,500	0%
Consulting engineer services	-	-	25,000	0%
Cost recovery	5,383	18,606	17,500	106%
Water quality testing	-	2,659	5,224	51%
Telephone	100	503	1,800	28%

**SUNSHINE
WATER CONTROL DISTRICT
STATEMENT OF REVENUES, EXPENDITURES,
AND CHANGES IN FUND BALANCES
GENERAL FUND
FOR THE PERIOD ENDED APRIL 30, 2023**

	Current Month	Year to Date	Adopted Budget	% of Budget
Electric	417	32,143	85,000	38%
Insurance	-	59,625	55,529	107%
Repairs and maintenance				
Canal banks	-	-	75,000	0%
Canal dredging	-	-	50,000	0%
Culvert inspection & cleaning	-	-	100,000	0%
Dumpster service	514	4,627	13,000	36%
Truck, tractor and generator	972	8,106	21,000	39%
Other	866	3,738	21,000	18%
Operating supplies				
Chemicals	-	40,752	90,000	45%
Fuel	1,134	6,906	20,000	35%
Fuel-pump station generator	-	-	35,000	0%
Triploid carp	-	-	19,755	0%
Uniforms	188	931	3,217	29%
Other	630	1,660	4,000	42%
Permit fees, licenses, schools	-	830	5,000	17%
Capital outlay - westchester culvert	-	20,915	288,125	7%
Capital outlay - pump station 1 & 2	236,647	367,228	1,444,200	25%
Capital outlay - ps1 hydra/struc/canal	-	-	625,440	0%
Capital outlay - NW 123 Ave	-	-	150,000	0%
Capital outlay - Riverside drive	-	-	985,000	0%
Capital outlay - University drive	-	-	150,000	0%
Capital outlay - telemetry	-	-	340,000	0%
Field equipment	-	-	35,000	0%
Pump station telemetry	313	2,049	40,000	5%
Contingencies	202	2,498	5,000	50%
Total field operations	<u>326,697</u>	<u>1,213,432</u>	<u>6,282,315</u>	19%
Other fees and charges				
Tax collector	785	35,373	37,606	94%
Property appraiser	-	34,588	37,606	92%
Property tax bills - fire & EMS assessment	-	33	100	33%
Total other fees & charges	<u>785</u>	<u>69,994</u>	<u>75,312</u>	93%
Total expenditures	<u>349,866</u>	<u>1,479,661</u>	<u>6,768,339</u>	22%
Excess/(deficiency) of revenues over/(under) expenditures	(303,480)	2,054,876	(3,129,250)	
Fund balance - beginning	15,985,411	13,627,055	13,725,082	
Fund balance - ending				
Assigned:				
3 months working capital	1,760,312	1,760,312	1,760,312	
Disaster recovery	3,500,000	3,500,000	3,500,000	
Truck replacement	180,000	180,000	180,000	
Unassigned	10,241,619	10,241,619	5,155,520	
Total fund balance - ending	<u>\$ 15,681,931</u>	<u>\$ 15,681,931</u>	<u>\$ 10,595,832</u>	

**SUNSHINE
WATER CONTROL DISTRICT
STATEMENT OF REVENUES, EXPENDITURES,
AND CHANGES IN FUND BALANCES
DEBT SERVICE FUND SERIES 2021
FOR THE PERIOD ENDED APRIL 30, 2023**

	<u>Current Month</u>	<u>Year To Date</u>	<u>Adopted Budget</u>	<u>% of Budget</u>
REVENUES				
Assessment levy: on-roll	\$ 10,020	\$ 823,307	\$ 848,359	97%
Interest	1,117	6,956	-	N/A
Total revenues	<u>11,137</u>	<u>830,263</u>	<u>848,359</u>	98%
EXPENDITURES				
Debt service				
Principal	-	-	470,000	0%
Interest	-	181,247	362,493	50%
Total debt service	<u>-</u>	<u>181,247</u>	<u>832,493</u>	22%
Other fees and charges				
Tax collector	184	8,313	8,837	94%
Property appraiser	-	8,129	8,837	92%
Total other fees and charges	<u>184</u>	<u>16,442</u>	<u>17,674</u>	93%
Total expenditures	<u>184</u>	<u>197,689</u>	<u>850,167</u>	23%
Excess/(deficiency) of revenues over/(under) expenditures	10,953	632,574	(1,808)	
Fund balances - beginning	1,187,810	566,189	253,407	
Fund balances - ending	<u>\$ 1,198,763</u>	<u>\$ 1,198,763</u>	<u>\$ 251,599</u>	

SUNSHINE

Water Control District

Special Assessment Revenue Refunding Bonds, Series 2021

\$12,010,000

Debt Service Schedule

Date	Principal	Coupon	Interest	Total P+
11/01/2022		-	181,246.25	181,246.25
05/01/2023	470,000.00	3.050%	181,246.25	651,246.25
11/01/2023	-	-	174,078.75	174,078.75
05/01/2024	490,000.00	3.050%	174,078.75	664,078.75
11/01/2024	-	-	166,606.25	166,606.25
05/01/2025	500,000.00	3.050%	166,606.25	666,606.25
11/01/2025	-	-	158,981.25	158,981.25
05/01/2026	515,000.00	3.050%	158,981.25	673,981.25
11/01/2026	-	-	151,127.50	151,127.50
05/01/2027	530,000.00	3.050%	151,127.50	681,127.50
11/01/2027	-	-	143,045.00	143,045.00
05/01/2028	550,000.00	3.050%	143,045.00	693,045.00
11/01/2028	-	-	134,657.50	134,657.50
05/01/2029	565,000.00	3.050%	134,657.50	699,657.50
11/01/2029	-	-	126,041.25	126,041.25
05/01/2030	585,000.00	3.050%	126,041.25	711,041.25
11/01/2030	-	-	117,120.00	117,120.00
05/01/2031	600,000.00	3.050%	117,120.00	717,120.00
11/01/2031	-	-	107,970.00	107,970.00
05/01/2032	615,000.00	3.050%	107,970.00	722,970.00
11/01/2032	-	-	98,591.25	98,591.25
05/01/2033	635,000.00	3.050%	98,591.25	733,591.25
11/01/2033	-	-	88,907.50	88,907.50
05/01/2034	655,000.00	3.050%	88,907.50	743,907.50
11/01/2034	-	-	78,918.75	78,918.75
05/01/2035	675,000.00	3.050%	78,918.75	753,918.75
11/01/2035	-	-	68,625.00	68,625.00
05/01/2036	690,000.00	3.050%	68,625.00	758,625.00
11/01/2036	-	-	58,102.50	58,102.50
05/01/2037	720,000.00	3.050%	58,102.50	778,102.50
11/01/2037	-	-	47,122.50	47,122.50
05/01/2038	735,000.00	3.050%	47,122.50	782,122.50
11/01/2038	-	-	35,913.75	35,913.75
05/01/2039	760,000.00	3.050%	35,913.75	795,913.75
11/01/2039	-	-	24,323.75	24,323.75
05/01/2040	785,000.00	3.050%	24,323.75	809,323.75
11/01/2040	-	-	12,352.50	12,352.50
05/01/2041	810,000.00	3.050%	12,352.50	822,352.50
Total	\$11,885,000.00	-	\$3,947,462.50	\$15,832,462.50

**SUNSHINE
WATER CONTROL DISTRICT**

MINUTES

DRAFT

**MINUTES OF MEETING
SUNSHINE WATER CONTROL DISTRICT**

The Board of Supervisors of the Sunshine Water Control District held a Regular Meeting on May 10, 2023 at 6:00 p.m., at Sartory Hall, 10150 NW 29 St., Coral Springs, Florida 33065.

Present were:

Joe Morera	President
Ivan Ortiz	Vice President
Carol Smith	Secretary

Also present were:

Cindy Cerbone	District Manager
Jamie Sanchez	Wrathell, Hunt & Associates, LLC (WHA)
Al Malefatto	District Counsel
Orlando Rubio	District Engineer
Cory Selchan	Field Superintendent
Mark Sirchio	Rio-Bak Corporation (RBC)

FIRST ORDER OF BUSINESS

Call to Order

Mr. Morera called the meeting to order at 6:30 p.m.

SECOND ORDER OF BUSINESS

Roll Call

All Supervisors were present.

THIRD ORDER OF BUSINESS

Pledge of Allegiance

All present recited the Pledge of Allegiance.

FOURTH ORDER OF BUSINESS

**Public Comments [3-Minute Time Limit]
(Comments should be made from the
microphone to ensure recording. Please
state your name prior to speaking.)**

40 There were no public comments.

41 ■ **District Engineer Staff Report**

42 **This item, previously Item 11B, was presented out of order.**

43 Mr. Rubio presented RBC Change Order No. 4 for demucking Canal F, along the west
44 side of University Drive, for the City and County to widen the road. This requires issuing a right-
45 of-way permit for the Florida Department of Transportation (FDOT) to complete its portion of
46 the project and allows for execution of a Interlocal Agreement between the SWCD and the City
47 of Coral Springs to cost share the work. The \$141,850 cost would be split between the SWCD
48 and the City.

49 Mr. Malefatto recommended approving Change Order No. 4 but asked for time to
50 review the Interlocal Agreement Mr. Rubio prepared before it is sent to the City.

51 Mr. Rubio and Mr. Selchan responded to questions about the scope of the project,
52 project timeline, the inability to reuse the material and testing the material before it is trucked
53 to the landfill.

54

55 **On MOTION by Mr. Ortiz and seconded by Ms. Smith, with all in favor, Change**
56 **Order #4, CAS Project No. 21-2182, for the SWCD West Outfall Canal Phase 2**
57 **Improvements, to demuck Canal F, along the west side of University Drive, in a**
58 **not-to-exceed amount of \$141,850 to be cost-shared with the City of Coral**
59 **Springs, subject to executing the Interlocal Agreement with the City of Coral**
60 **Springs, was approved.**

61

62

63 Mr. Selchan stated that the City Representatives agreed to have anything in the way of
64 the project removed.

65 Mr. Malefatto advised of the need to discuss the insurance clause in the Interlocal
66 Agreement with Ms. Cerbone and Ms. Sanchez.

67

68 **On MOTION by Mr. Ortiz and seconded by Ms. Smith, with all in favor,**
69 **authorizing Mr. Morera to execute the Interlocal Agreement with the City of**
70 **Coral Springs pertaining to RBC Change Order No. 4, outside of a District**
71 **Meeting, was approved.**

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Mr. Selchan commended Mr. Sirchio and team members Frankie Rodriguez and others for moving the riprap in front of the old pump station over to the Habitat for Humanity project at no cost to the SWCD and on doing a great job on the revetment project.

FIFTH ORDER OF BUSINESS

Update: ROW Communications

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Mr. Selchan stated only two of the six homeowners took action after the second right-of-way (ROW) obstruction letters were sent. He believes the remaining homeowners, mostly police officers and a firefighter, are not going to take any action. As the materials are mostly minimal, with the exception of a fence, he suggested his crews remove the materials from the ROW. A fence company will need to be engaged if there is pushback from the resident and a police officer should be on site, if needed.

On MOTION by Ms. Smith and seconded by Mr. Ortiz, with all in favor, authorizing Mr. Selchan to proceed with removal of the obstructions in the SWCD right-of-way (ROW) at the four remaining homes, as suggested, was approved.

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SIXTH ORDER OF BUSINESS

Consideration of Resolution 2023-03, Approving a Proposed Budget for Fiscal Year 2023/2024 and Setting a Public Hearing Thereon Pursuant to Florida Law; Addressing Transmittal, Posting and Publication Requirements; Addressing Severability; and Providing an Effective Date

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Ms. Sanchez distributed an updated version of the proposed Fiscal Year 2024 budget. This version reflects a corrected formatting issue and now all references to "Fiscal Year 2023" in the header were changed to "Fiscal Year 2024". She reviewed the proposed Fiscal Year 2024 budget, highlighting any line item increases, decreases and adjustments, compared to the Fiscal Year 2023 budget, and explained the reasons for any changes.

The following budget items were discussed:

108 ➤ Legal-legislative work: Mr. Malefatto suggested inviting his colleague, Mr. Lyon, to an
109 upcoming meeting to explain what legislation representation would make sense for the SWCD
110 before designating any funds to that budget line item. Mr. Lyon anticipates the costs would be
111 an additional \$2,000 a month. Ms. Cerbone offered budget suggestions, which the Board
112 Members would consider once Ms. Sanchez completes the budget presentation.

113 ➤ Engineering-capital outlay: Mr. Rubio elaborated on the status of the Engineering
114 projects listed under the budget line items.

115 Mr. Morera asked Staff to find out if the culvert replacement project along University
116 Drive can be coordinated with the FDOT road widening/resurface project.

117 ➤ Truck, tractor and generator: Mr. Selchan noted that PowerSecure, Inc. inadvertently
118 did not invoice for monitoring services over the last 13 years. Going forward, the SWCD will be
119 billed for those monitoring services; therefore, he suggested increasing the budgeted amount
120 to \$50,000 to cover the cost to monitor the generator; the amount might decrease upon
121 receipt of a proposal and before the Fiscal Year 2024 budget is adopted.

122 ➤ Excess/(deficiency) of revenues over/(under) expenditures: Ms. Cerbone noted that
123 unassigned fund balance was used to keep the assessment increase at 3%, which is similar to
124 what was done in the prior years.

125 Regarding truck replacement, Mr. Selchan will review the State and City's bid contract to
126 ensure optimal savings on the four trucks that will be purchased in Fiscal Year 2023.

127 The Board agreed with Mr. Malefatto's recommendation to budget \$24,000 to the
128 Legal-legislative work line item and for Mr. Lyon to attend an upcoming meeting. This expense
129 will necessitate minor adjustments to the assessments, to make sure the assessment increase is
130 no greater than 3%.

131 The following changes will be made to the proposed Fiscal Year 2024 budget:

132 Page 1, "Legal-legislative work": Increase "\$0" to "\$24,000"

133 Page 2, "Truck, tractor and generator": Add "and monitoring services" to title and
134 increase "\$32,000" to "\$50,000"

135 Page 4, "Definitions of General Fund Expenditures": Add percentage amount for each
136 cost increase, as applicable.

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On MOTION by Ms. Smith and seconded by Mr. Ortiz, with all in favor, Resolution 2023-03, Approving a Proposed Budget for Fiscal Year 2023/2024, as amended, and Setting a Public Hearing Thereon Pursuant to Florida Law for September 13, 2023 at 6:30 p.m., at Sartory Hall, 10150 NW 29 St., Coral Springs, Florida 33065; Addressing Transmittal, Posting and Publication Requirements; Addressing Severability; and Providing an Effective Date, was adopted.

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SEVENTH ORDER OF BUSINESS

Consideration of Quotes for District Access at 9725 NW 36 Manor

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Mr. Selchan noted difficulty obtaining reasonable quotes to install a wooden gate. He informed the resident that the Board is amendable to looking into the request and the resident indicated that there is no rush. This item will remain on the agenda.

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EIGHTH ORDER OF BUSINESS

Acceptance of Unaudited Financial Statements as of March 31, 2023

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On MOTION by Mr. Ortiz and seconded by Ms. Smith, with all in favor, the Unaudited Financial Statements as of March 31, 2023, were accepted.

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NINTH ORDER OF BUSINESS

Approval April 12, 2023 Regular Meeting Minutes

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Ms. Sanchez stated Mr. Rubio emailed his edits to the April 12, 2023 Regular Meeting Minutes and those edits will be incorporated into the minutes.

167

On MOTION by Ms. Smith and seconded by Mr. Ortiz, with all in favor, the April 12, 2023 Regular Meeting Minutes, as amended to incorporate edits previously submitted to Management by Mr. Rubio, were approved.

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TENTH ORDER OF BUSINESS

Supervisors' Communications

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Mr. Ortiz wished mothers a Happy Mother's Day and everyone a great Memorial Day.

176 Mr. Morera echoed Mr. Ortiz’s good wishes. He asked when the Board Members will
 177 receive Financial Disclosure Form 1, which must be filed by July 1, 2023. Ms. Cerbone stated it
 178 should arrive late-May or early-June but it can be downloaded if not received. Mr. Morera
 179 asked about posting maps, etc., on the District website. Ms. Cerbone noted the difficulties with
 180 having maps, etc., on the website since all items on the website must be accessible in terms of
 181 the Americans with Disabilities Act (ADA) access requirements for websites. She recommended
 182 only posting documents that are statutorily required to be posted. While including a link on the
 183 website to a Geographic Information Systems (GIS) mapping system is a possibility, it is quite
 184 expensive and/or cost prohibitive to post maps, etc., on the website.

185 Mr. Morera asked about the District’s cost share portion of the Waste Pro Invoice. Mr.
 186 Selchan stated that it is appropriate.

187 Mr. Morera asked for approval to attend the Hispanic Elected Local Officials (HELO)
 188 three-day conference in Coral Gables in May.

189 Discussion ensued regarding the conference topics, whether it benefits the District and
 190 budget availability.

191

On MOTION by Ms. Smith and seconded by Mr. Ortiz, with all in favor, authorizing Mr. Morera to attend the 2023 Hispanic Elected Local Officials (HELO) Summer Conference in Coral Gables, Florida and reimbursing Mr. Morera for the special conference registration fee of \$250 and other costs related to his attendance, was approved.

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ELEVENTH ORDER OF BUSINESS

Staff Reports

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A. District Counsel: Lewis, Longman & Walker, P.A.

202 Mr. Malefatto reported on recently passed legislation awaiting the Governor’s signature
 203 and other items, as follows:

- 204 ➤ House Bill 1367 specifies that it is unlawful to dump litter in or on any water control
 205 district property or canal ROW without consent. This goes into effect October 1, 2023 and
 206 requires law enforcement to enforce this and for all Board Members and District Managers who

207 discover a person committed unlawful dumping to report the incident to the appropriate law
208 enforcement agency. Ms. Cerbone will share this information with the Chief of Police.

209 ➤ House Bill 199 requires officers and employees of Special Taxing Districts to complete
210 four hours ethics training annually. This goes into effect January 1, 2024.

211 Mr. Morera asked Mr. Malefatto to research if any changes were made to the Financial
212 Reporting for Elected Officials requirements that would impact the SWCD Board Members.

213 Regarding the annual 2023 Florida Association of Special District (FASD) conference June
214 12 to June 15, 2023, in Orlando Florida, Mr. Morera noted that any of the Board Members can
215 attend.

216 Ms. Smith stated she is not able to attend the June SWCD District meeting.

217 ➤ The closing date on the sale of the District's easement to Amera Downtown
218 Development is May 22, 2023. The District will receive \$100,000 plus legal fees, etc., for a total
219 amount of is \$110,743.65. Mr. Morera will be given the Settlement Statement, Warranty Deed
220 and Closing Affidavit to execute after the meeting.

221 **B. District Engineer: Craig A. Smith & Associates**

222 • **Presentation: Monthly Engineer's Report**

223 Mr. Rubio presented the Monthly Engineer's Report and responded to questions.

224 Mr. Selchan stated the fuel tank for Pump Station #2 (PS2) is pending and testing is
225 scheduled two weeks from today. Ms. Cerbone asked Mr. Selchan and/or Ms. Sanchez to ask
226 Egis if inspections are needed for any insurance changes on the new generator and the new fuel
227 pump, which is doubling in size.

228 Discussion ensued regarding types of items posted on the District website and protocol
229 for processing public records requests.

230 Mr. Morera asked Mr. Rubio to provide a proposal to proceed with the twin weir 137th
231 Avenue project for the next meeting.

232 ■ **FDOT ROW Permit Application – University Drive Improvements**

233 **This item was an addition to the agenda.**

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On MOTION by Mr. Ortiz and seconded by Ms. Smith, with all in favor, the CAS Project No. 15-1826 ROW Permit Application submitted by the Florida Department of Transportation for University Drive Improvements from NW 39th Street to Sawgrass Expressway, affecting SWCD Canal "F", for dewatering, subject to all terms, conditions and the Special Conditions set forth in the May 10, 2023 recommendation letter, execution of the Interlocal Agreement with the City and agreement of the cost-sharing terms between the parties, was approved.

C. District Engineering Consultant: John McKune

There was no report.

Mr. Selchan stated that Mr. McKune is a great resource. He advised Mr. McKune that, although he is unable to participate now, the District will keep funds in the budget for his services.

D. District Field Supervisor: Cory Selchan

Mr. Selchan reported the following:

- The District received 10" of rain in April, with 6" of rain just after the last meeting.
 - There were several complaints about low water levels.
 - Earthwork and modifications to the outside of Pump Station #1 (PS1) and the majority of the electrical within PS1 was completed. A tiny electrical hitch during preliminary testing was corrected immediately. He anticipates deeming the entire project complete once the punch list items are completed.
 - The new generator for PS2 arrived yesterday and there was no need to rent a temporary fuel tank. Phillips & Jordan will stage a fuel truck on site.
- Staff was asked to review the current Phillips & Jordan and Rostan contracts.
- RBC completed the revetment project, which was inspected and deemed a fine job.

E. District Manager: Wrathell, Hunt & Associates, LLC

- **NEXT MEETING DATE: June 14, 2023 at 6:00 PM [401(a) Committee Meeting followed by 6:30 PM Regular Meeting]**
 - **QUORUM CHECK**

267 **TWELFTH ORDER OF BUSINESS**

Public Comments

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269 No members of the public spoke.

270

271 **THIRTEENTH ORDER OF BUSINESS**

Adjournment

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273 The meeting adjourned at 9:02 p.m.

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[SIGNATURES APPEAR ON THE FOLLOWING PAGE]

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Secretary/Assistant Secretary

President/Vice President

**SUNSHINE
WATER CONTROL DISTRICT**

**STAFF
REPORTS
BI**



June 6, 2023

Board of Supervisors
Sunshine Water Control District
2300 Glades Road, Suite 410W
Boca Raton, Florida 33073

**RE: SUNSHINE WATER CONTROL DISTRICT - MONTHLY ENGINEER’S REPORT (MER)
(June 14, 2023 Board Meeting)
May 2, 2023 – June 7, 2023
CAS PROJECT NO. 15-1826**

Dear Board of Supervisors:

Craig A. Smith & Associates, Inc. (CAS) is pleased to provide you with the MER summarizing activity performed by our team on behalf of SWCD during the referenced period including future work. Anything of significance or modifications occurring after this writing will be brought up at the June 14, 2023 BOS meeting.

Electrical Repairs at Pump Station Nos. 1 and 2

Current Connections Inc (CCI) work at PS1 nearly complete. Work at PS2 is in process. Total work completed is at 92% per the most recent pay request.

Shown below is a brief summary from CCI of the work completed.

- Pump Station #1: 99% Complete, Remaining is the exhaust fan rotation correction & exhaust fan testing. Need Lighting Fixture Replacement (Board Approval).
- Pump Station #2: 85% Complete, Ring Power startup of New Generator is scheduled for 6.5.2023 and it is a three day process and should be online by Thursday 6.8.2023 with the temporary generator returned on 6.9.2023.
- Temporary Fuel Tank (Old Sub-base tank) is on pad and will be connected to new generator Tuesday 6.6.2023.
- New Tank enclosure stucco is complete and waiting painting.
- Setting new Convault tank – TBD.

In addition, recommended for approval is project change order no. 3 to cover the cost of the following items.

- | | |
|--|-------------|
| 1. Replacement of 12 year old light fixtures at both pump stations: | \$13,585.00 |
| 2. Pressure cleaning and painting of existing PS2 building: | \$11,640.00 |
| 3. As per change order #1, permit fees were not included for the work related to Convault: | \$2,345.00 |

Total for Change Order No. 3: \$27,570.00

Figure 1 – Clip from Change Order no. 1

Excludes:

- Architectural plans or landscaping plans, or site plans that may be required by the Coral Springs Building Department.
- Permit Fees. We will request reimbursement of these fees once the permits have been issued.

SWCD Phase 2B – Additional Work

Per the most recent change order, Rio-Bak Corporation (RBC) is working on the demucking of Canal “F”. This work is related to the FDOT ROW Permit No. 2023-08 - University Drive Improvements. There have been some logistical issues between the road contractor, Strongcore Group, LLC (SCG) and RBC’s access which have been spearheaded with electronic communications and a field meeting by the City, SWCD, CAS, RBC, & SCG in effort to resolve construction access/field maneuverability for each contractor.

Proposed Project: Proposal for NW 123rd Avenue Existing Control Structure Modification

For Board consideration, attached to the MER is a CAS engineering proposal to modify the existing control structure within the SWCD Canal “LL” which serves a water management function to the Sawgrass Regional Park. A background is provided in the proposal with a general exhibit of the location. Services include surveying, geotechnical testing, engineering design, permitting, and bidding, CAS construction services for a total \$52,165.00. CAS also recommended that the existing pipes be dive inspected and this was completed and waiting for the reporting documents.

Figure 2 – Twin Risers Looking West from NW 123rd Ave



Right-of-Way Permitting

Recommended for Approval:

- Riverside Dr Bridge Deck Repair over the WOFC per Broward County Board of County Commissioners (BCBOCC).

Under Review:

- Comcast Directional Bore Under West Atlantic Blvd over the East Outfall Canal.
 - Amera Downtown Development Co., LLC – Sample Road and University Drive: Applicant is still working on the engineering response to the requested information.
 - Foundry – Industrial Trailer Parking & Storage (Wiles Road and Sawgrass Expressway): The application review is on-going with the most recent outcome was to have the permittee prepare and execute a hold harmless agreement to the SWCD due to the steepness of the adjacent slopes which cannot be modified to be no steeper than 4:1 (Hor:Ver) without encroaching into the canal or without losing developable space that would render the project unfeasible. A virtual meeting is planned for 6.5.2023 to discuss the matter further with SWCD counsel. The ROW permit recommendation and agreement may be brought to the June 14, 2023 SWCD meeting for board action should all of the review items are satisfactorily addressed.
-

As always, we continue to look forward to working with the SWCD staff on current and future important projects. Should there be any questions, I can be reached at the letterhead numbers shown or by electronic mail at orubio@craigasmith.com.

Sincerely,

CRAIG A. SMITH & ASSOCIATES



Orlando A. Rubio, PE
VP of Stormwater Engineering

Enclosures: CCI Change Oder No. 3
CAS Proposal NW 123rd Ave Control Structure
BCBOCC ROW Permit Recommendation

cc via e-mail: **SWCD** - Cory Selchan, District Superintendent
WHA - Jamie Sanchez, Cindy Cerbone, Daphne Gillyard, Andrew Kantarzhi, Gianna Denofrio, Caryn Kupiec
CAS - Steve C. Smith, PE

SECTION 00931
CHANGE ORDER

DATE OF ISSUANCE: June 14, 2023

No. 03

**PROJECT: SWCD STORMWATER PUMP STATION NOS. 1 & 2 ELECTRICAL REPAIRS
CAS PROJECT No. 15-1826-PS1/PS2**

OWNER: Sunshine Water Control District

CONTRACTOR: Current Connections, Inc

DISTRICT ENGINEER CRAIG A. SMITH AND ASSOCIATES.

PROJECT ENGINEER: SMITH ENGINEERING CONSULTANTS

**YOU ARE DIRECTED TO MAKE THE FOLLOWING CHANGES IN THE CONTRACT DOCUMENTS.
DESCRIPTION:**

Background: Recommended for approval is project change order no. 3 to cover the cost of the following items.

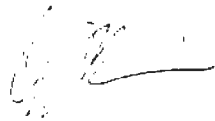
- | | |
|--|-------------|
| 1. Replacement of old light fixtures at pump station 1: | \$5,755.00 |
| 2. Replacement of old light fixtures at pump station 2: | \$7,830.00 |
| 3. Pressure cleaning and painting of existing PS2 building: | \$11,640.00 |
| 4. As per CO #1, permit fees were not included for the work related to Convault: | \$2,345.00 |

Total for Change Order No. 3: \$27,570.00

ATTACHMENTS: Detailed pricing from CCI is attached to this document including scope work.

CHANGE IN CONTRACT PRICE: Original Contract Price \$1,251,000.00	CHANGE IN CONTRACT TIME: Original Contract Time 180 Days
Previous Change Orders \$254,441.00	Net change from previous Change Orders 0 Days
Contract Price prior to this Change Order \$ 1,505,410.00	Contract Time prior to this Change Order 180 Days
Net increase of this Change Order \$27,570.00	Net Increase of this Change Order 45 days
Contract Price with all approved Change Orders \$1,532,980.00	Contract Time with all approved Change Orders 270 Days

RECOMMENDED :



By: _____
CAS/District Engineer – Orlando A. Rubio, PE

ACCEPTED :

By  _____
Contractor: Don Sharkey, President

APPROVED :

By _____
District Manager Via Board Approval: Jaime Sanchez
END OF SECTION

PROPOSED CHANGE ORDER

Current Connections, Inc.

1620 Hill Avenue
Mangonia Park, Florida 33407
Telephone: (561) 863-0010
Fax: (561) 863-5380

Client Address:

Sunshine Water Control District

2300 Glades Road, Suite 410W
Boca Raton, Florida 33431

CCN # 4.1

Date: 6/6/2023

Project Name: SWCD Pump Station #1 & 2 Electrical Re

Project Number: 2119

Page Number: 1

Site Address:

Pump Station #1 & 2

PS #1 - 8085 Royal Palm Blvd.
PS #2 - 10600 Riverside Dr
Coral Springs, Florida 33071

Work Description

Below is a labor and material breakdown for the work to replace nine (9) existing Wall Pack lighting fixtures with new 35W LED Wall Packs at Pump Station #1 and five (5) existing Flood Lights over the grates.

Notes:

Disposal of old lighting fixtures included.
New Lighting Fixtures have 5-Year Warranty.

We reserve the right to correct this quote for errors and omissions.

Itemized Breakdown

Replace Exterior Wall Packs

Description	Qty	Net Price U	Total Mat.	Labor U	Total Hrs.
B2-1 RED WIRE CONN	27	27.29 C	7.37	7.00 C	1.89
1/4" FENDER WASHER	36	48.00 C	17.28	1.75 C	0.63
1/4 X 1 3/4 TAPCONS	36	12.00 C	4.32	5.00 C	1.80
Remove Existing Wall Packs	9	0.00 E	0.00	0.65 E	5.85
35W LED Wall Pack 120V	9	0.00 E	0.00	1.15 E	10.35
Totals	117		28.97		20.52

Replace Exterior Flood Lights

Description	Qty	Net Price U	Total Mat.	Labor U	Total Hrs.
B2-1 RED WIRE CONN	4	27.29 C	1.09	7.00 C	0.28
1/4" x 2 1/2" S.S. Wedge Anchor	4	101.20 C	4.05	20.00 C	0.80
1/4" SS Fender Washers	4	48.00 C	1.92	0.90 C	0.04
Remove Existing Flood Light & Bracket	5	0.00 E	0.00	1.00 E	5.00
35W LED Flood Light	1	0.00 E	0.00	1.50 E	1.50
Flood Light Mounting Bracket	5	78.46 E	392.30	0.65 E	3.25
Totals	23		399.36		10.87

Summary

MATERIAL COSTS

General Materials 428.33
LIGHTING FIXTURES 1,335.72

Material Subtotal

Material Tax (@ 7.000 %) 1,764.05

Total Material

LABOR COSTS 1,887.53
APPRENTICE (7.85 Hrs @ \$58.00) 455.30

ORIGINAL

PROPOSED CHANGE ORDER

Current Connections, Inc.
1620 Hill Avenue
Mangonia Park, Florida 33407

CCN # 4.1
Date: 6/6/2023
Project Name: SWCD Pump Station #1 & 2 Electrical
Project Number: 2119
Page Number: 2

Summary (Cont'd)

JOURNEYMAN	(23.54 Hrs @ \$64.00)	1,506.56
FOREMAN @ 15%	(4.71 Hrs @ \$80.00)	376.80
PROJECT MANAGER @ 15%	(4.71 Hrs @ \$93.00)	438.03
Total Labor		2,776.69
GENERAL EXPENSE COSTS		
FREIGHT CHARGES	(9.00 @ 25.0000)	225.00
Total General Expenses		225.00
OVERHEAD & MARKUP		
Overhead	(@ 10.000 %)	488.92
Markup	(@ 5.000 %)	268.91
Total OH & P		757.83
Subtotal		5,647.05
P & P BOND FEE		107.29
Final Adjustment	(@ 1.900 %)	0.66
Final Amount		\$5,755.00

ORIGINAL



KT-WPLED35-M1-8CSB-VDIM

TRADITIONAL 35W NON-CUTOFF LED WALL PACK

DESCRIPTION

Traditional 35W Non-Cutoff LED Wall Pack | 120–277V Input | 3000–5000K | Medium-Size Bronze Housing | Glass Lens

APPLICATION

Building Mount for exterior illumination (perimeters, pathways, loading docks, and other general security lighting requirements)



PRODUCT FEATURES

- Traditional design matches appearance and light distribution pattern of legacy HID, optimized for one-for-one replacements
- Heavy-duty, die-cast aluminum housing with (5) available 1/2" threaded conduit hubs: (1) on back and (1) on all four sides
- Powered by Keystone 0–10V dimming LED drivers
- Keystone Color Select Technology: Adjustable CCT (3000K, 4000K, or 5000K)
- Built-in dusk-to-dawn photocell behind translucent 3/4" threaded plug with anti-yellowing agent
- Borosilicate glass lens diffuses light source and provides uniform distribution
- Covers footprint of mid-size HID wallpacks
- Ambient operating temperature: –20°C/–4°F to 45°C/113°F
- UL listed for wet locations, IP65
- 0–10V dimming, 10% min
- Power Factor: >0.95
- THD: <20%
- LED chip lifetime: L70 >100,000 hrs @ 25°C/77°F ambient fixture temp
- Meets FCC Part 15, Part B, Class A standards for conducted and radiated emissions

ELECTRICAL SPECIFICATIONS

Catalog Number	Wattage	Lumens	Lumens Below 90°	Dimming	CCT*	Efficacy	CRI	Housing Color	Input Voltage	Rated Life	Legacy Equivalent
KT-WPLED35-M1-8CSB-VDIM	35W	4865 lm	3955 lm	0–10V	3000K	139 lm/W	>80	Bronze	120–277V	50,000 hrs	150W MH
		5040 lm	4100 lm		4000K	144 lm/W					
		4690 lm	3815 lm		5000K	134 lm/W					

* Color Uniformity: CCT (Correlated Color Temperature) range as per guidelines outlined in ANSI C78.377-2017

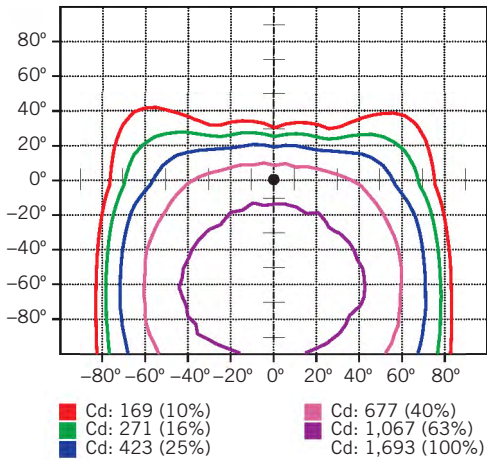


KT-WPLED35-M1-8CSB-VDIM

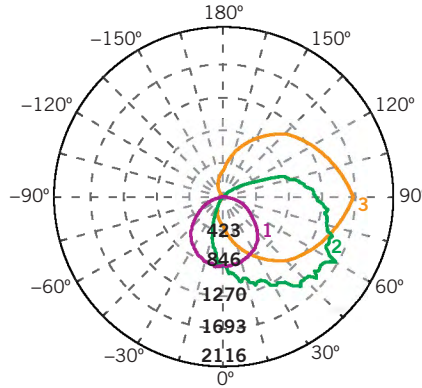
TRADITIONAL 35W NON-CUTOFF LED WALL PACK

PHOTOMETRIC SPECIFICATIONS

ISOCANDELA PLOT



LUMINOUS INTENSITY DISTRIBUTION



Average diffuse angle (50%): **111.0°**

- 1 Violet C0-C180
- 2 Green C90-C270
- 3 Orange G60

Unit: cd

FLUX DISTRIBUTION

Zone	Lumens	% Luminaire
Forward Light	3,122 lm	68.0%
0°-30°	441 lm	9.6%
30°-60°	1,269 lm	27.7%
60°-80°	981 lm	21.4%
80°-90°	430 lm	9.4%
Back Light	559 lm	13.1%
0°-30°	253 lm	5.5%
30°-60°	259 lm	5.7%
60°-80°	76 lm	1.6%
80°-90°	11 lm	0.2%
Up Light	867 lm	18.9%
90°-100°	357 lm	7.8%
100°-180°	510 lm	11.1%

BUG* Rating

Asymmetrical Luminaire Types

Type I, II, III, IV B1 U5 G3

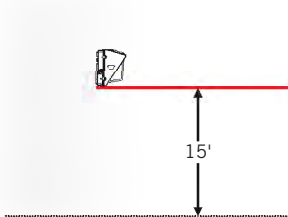
Quadrilateral Symmetrical Luminaire Types

Type V, Area Light B1 U5 G3

* Backlight, Uplight, Glare

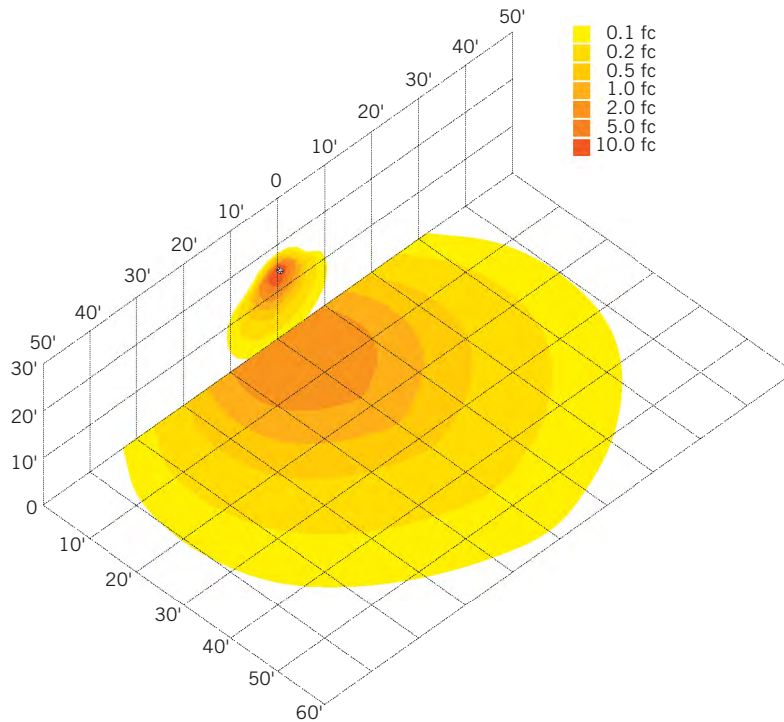
MOUNTING

Side view



LIGHT DISTRIBUTION PATTERN

Isometric view from above; Luminaire mounted at 15'

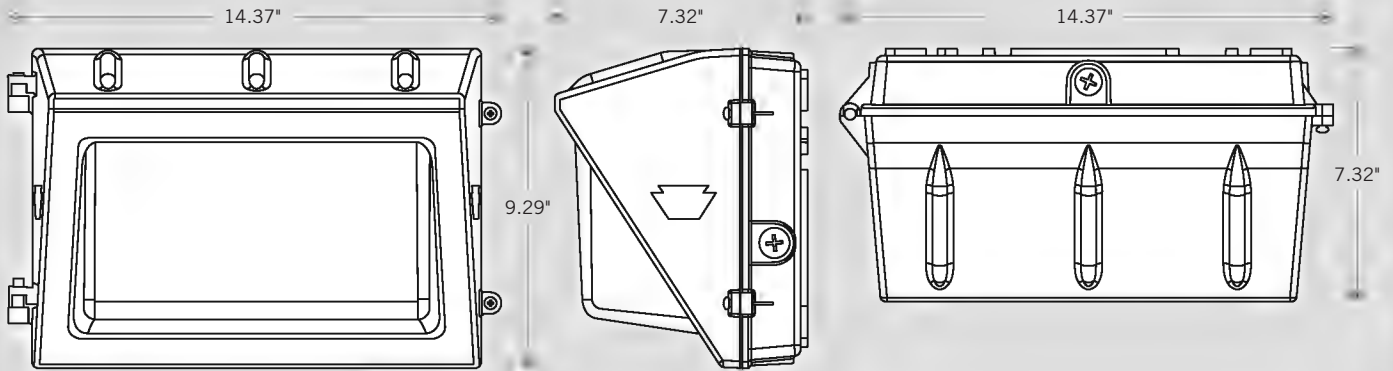




KT-WPLED35-M1-8CSB-VDIM

TRADITIONAL 35W NON-CUTOFF LED WALL PACK

PHYSICAL SPECIFICATIONS



GENERAL SETUP INSTRUCTIONS

GENERAL WIRING DIAGRAM



Caution: Before installing, make certain that AC power to the fixture is off.

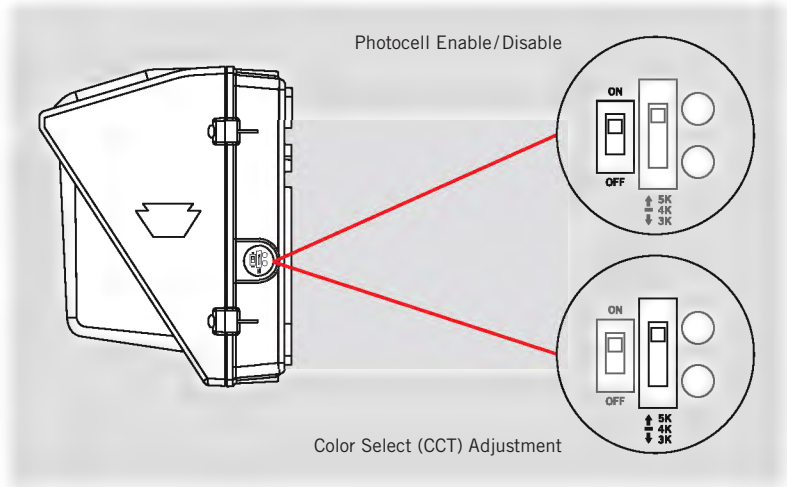
Caution: The electrical rating of this product is 120-277V. Installer must confirm that there is 120-277V at the fixture before installation.

PHOTOCELL ENABLE/DISABLE

This fixture is equipped with a dusk-to-dawn photocell behind the translucent knock-out (KO) cover. Adjust the dip switch to enable (ON) or disable (OFF) the photocell function (see illustrations to the right). Fixture comes preset with photocell enabled unless otherwise noted.

COLOR SELECT (CCT) ADJUSTMENT

This fixture is equipped with Color Select technology. There is an adjustable dip switch behind the translucent knock-out (KO) cover to change CCT between 5000K, 4000K, and 3000K (see illustrations to the right). Fixture comes preset at 5000K unless otherwise noted.





KT-WPLED35-M1-8CSB-VDIM

TRADITIONAL 35W NON-CUTOFF LED WALL PACK

ACCESSORY (SOLD SEPARATELY)

Catalog Number	Description
KTSP-10KV-C	Wallpack 10kV Surge Protector, Compact Design

ORDERING INFORMATION

ORDER CODE	PACK QTY.	ITEM STATUS
KT-WPLED35-M1-8CSB-VDIM	1	Quick Ship

CATALOG NUMBER BREAKDOWN

KT-WPLED35-M1-8CSB-VDIM

1	2	3	4	5	6	7	8	9	10
1 Keystone Technologies	2 Fixture Type	3 LED Lamp	4 Max Wattage	5 Size	6 Style	7 CRI	8 Color	9 Color Select Designation	10 Dimming
	F Flood WP Wallpack			S Small M Medium L Large	1 Non-Cutoff 2 Full-Cutoff	8 >80 9 >90	40 4000K 50 5000K CS Color Select	A 3500K, 4000K, 5000K B 3000K, 4000K, 5000K C 3000K, 3500K, 4000K, 5000K D TBD	VDIM 0-10V

PENINSULAR ELECTRIC DIST, INC
PO BOX 2887
West Palm Beach FL 33402-2887
561-832-1626 Fax 561-832-2108

Quotation

ORDER DATE	ORDER NUMBER
04/05/23	S2670249
REMIT TO: PENINSULAR ELECTRIC DIST, INC PO BOX 2887 West Palm Beach FL 33402-2887 561-832-1626 Fax 561-832-2108	PAGE NO. 1 of 1

QUOTE TO:
 CURRENT CONNECTIONS INC
 1620 HILL AVENUE
 MANGONIA PARK, FL 33407

SHIP TO:
 SWCD PS 1&2 ELECTRICAL REPAIR
 C/O CURRENT CONNECTION
 PS1-8085 ROYAL PALM BLVD/PS2-1
 CORAL SPRINGS, FL 33071

CUSTOMER NUMBER	CUSTOMER ORDER NUMBER	RELEASE NUMBER	SALESPERSON	
25991			TOM CROSSEY	
WRITER	SHIP VIA	TERMS	SHIP DATE	
JOHN ELLIOTT	ROUTE 2	EOM	04/05/23	
ORDER QTY	PART NO	DESCRIPTION	NET PRG	EXT PRG
8ea	354227	KEY KT-WPLED35-M1-8CSB-VDIM 35W, 4690 LUMENS, TRADITIONAL WALLPACK, 0-10V DIM, COLOR SELECT, BRONZE, MEDIUM HOUSING TAXES NOT INCLUDED	118.91/ea	951.30

This is a Quotation.

Prices are firm for 3 days, subject to change without notice after 3 days. Applicable taxes extra.

Subtotal	951.30
S&H CHGS	0.00
Amount Due	951.30



KT-FLED35-R1A-UNV-8CSB-VDIM

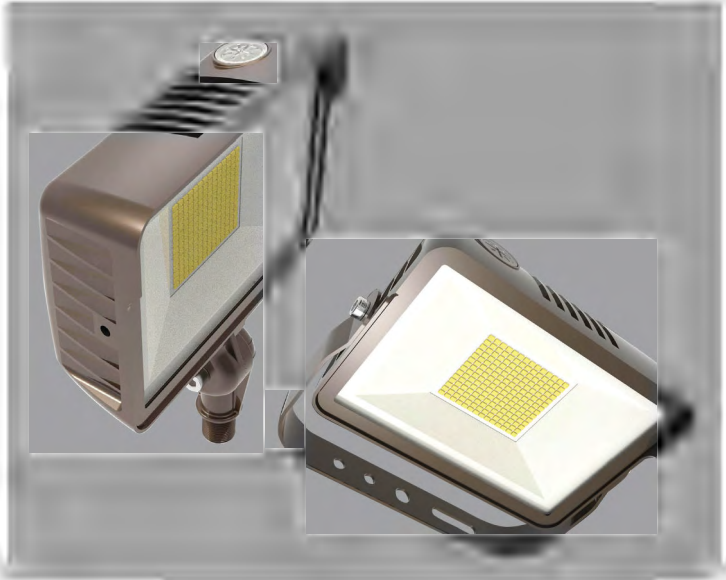
COMPACT 35W GENERAL-PURPOSE LED FLOOD LIGHT

DESCRIPTION

Compact 35W General-Purpose LED Flood Light | 120–277V Input | 3000–5000K | Bronze Housing | Multiple Mounting Options

APPLICATION

Building Mount or Ground Mount for outdoor illumination (landscapes, display signage, loading docks, building façades, pathways, parking areas, and other general site lighting requirements)



PRODUCT FEATURES

- Uniform, wide flood design (NEMA 7h × 7w distribution pattern)
- Heavy-duty, die cast aluminum housing featuring built-in glare visor and tempered glass lens
- Powered by Keystone 0–10V dimming LED drivers
- Keystone Color Select Technology: Adjustable CCT (3000K, 4000K, or 5000K)
- Built-in dusk-to-dawn photocell behind translucent 3/4" threaded plug with anti-yellowing agent
- Heavy-duty 1/2" knuckle mount with 90° adjustment and yoke mount options included
- Ambient operating temperature: –20°C/–4°F to 45°C/113°F
- UL listed for wet locations, IP65
- 0–10V dimming, 10% min
- Power Factor: >0.95
- THD: <20%
- LED chip lifetime: L70 >100,000 hrs @ 25°C/77°F ambient fixture temp
- Meets FCC Part 15, Part B, Class A standards for conducted and radiated emissions

ELECTRICAL SPECIFICATIONS

Catalog Number	Wattage	Lumens	Dimming	CCT*	Efficacy	CRI	Housing Color	Mounting	Input Voltage	Rated Life	Legacy Equivalent
KT-FLED35-R1A-UNV-8CSB-VDIM	35W	4480 lm	0–10V	3000K	128 lm/W	>80	Bronze	Universal: 1/2" Knuckle or yoke	120–277V	50,000 hrs	150–175W MH
		5075 lm		4000K	145 lm/W						
		4900 lm		5000K	140 lm/W						

* Color Uniformity: CCT (Correlated Color Temperature) range as per guidelines outlined in ANSI C78.377-2017

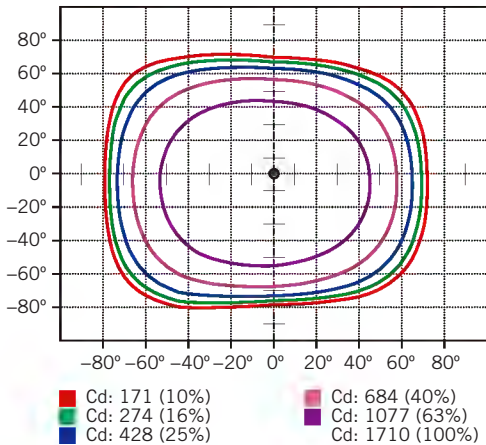


KT-FLED35-R1A-UNV-8CSB-VDIM

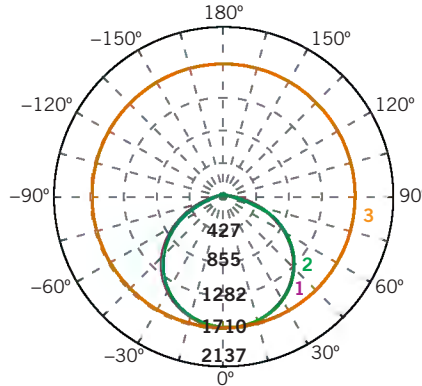
COMPACT 35W GENERAL-PURPOSE LED FLOOD LIGHT

PHOTOMETRIC SPECIFICATIONS

ISOCANDELA PLOT



LUMINOUS INTENSITY DISTRIBUTION



Average diffuse angle (50%): **114.3°**

- 1 Violet C0-C180
- 2 Green C90-C270
- 3 Orange G3

Unit: cd

FLUX DISTRIBUTION

Zone	Lumens	% Luminaire
Forward Light	2,527 lm	53.2%
0°-30°	675 lm	14.2%
30°-60°	1,366 lm	28.8%
60°-80°	471 lm	9.9%
80°-90°	15 lm	0.3%
Back Light	2,181 lm	46.0%
0°-30°	656 lm	13.8%
30°-60°	1,223 lm	25.8%
60°-80°	297 lm	6.3%
80°-90°	5 lm	0.1%
Up Light	39 lm	0.8%
90°-100°	2 lm	0.0%
100°-180°	36 lm	0.8%

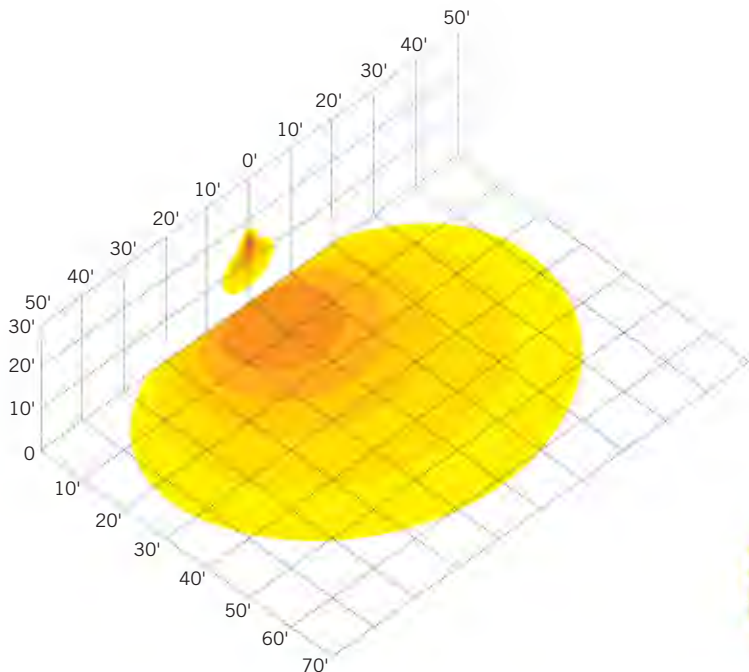
BUG* Rating

Asymmetrical Luminaire Types	
Type I, II, III, IV	B2 U2 G1
Quadrilateral Symmetrical Luminaire Types	
Type V, Area Light	B2 U2 G1

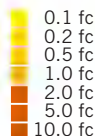
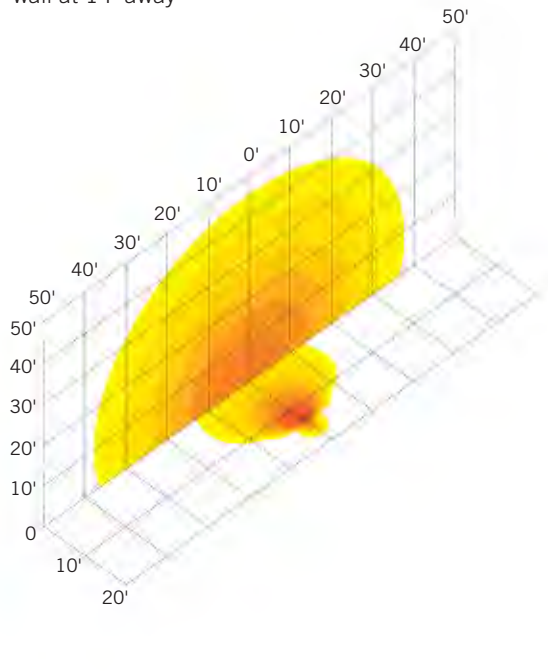
* Backlight, Uplight, Glare

LIGHT DISTRIBUTION PATTERNS (Isometric view from above)

Building exterior mounted at 15',
30° below horizontal



Ground mounted at 6' above ground,
10° above horizontal, shining towards building exterior
wall at 14' away



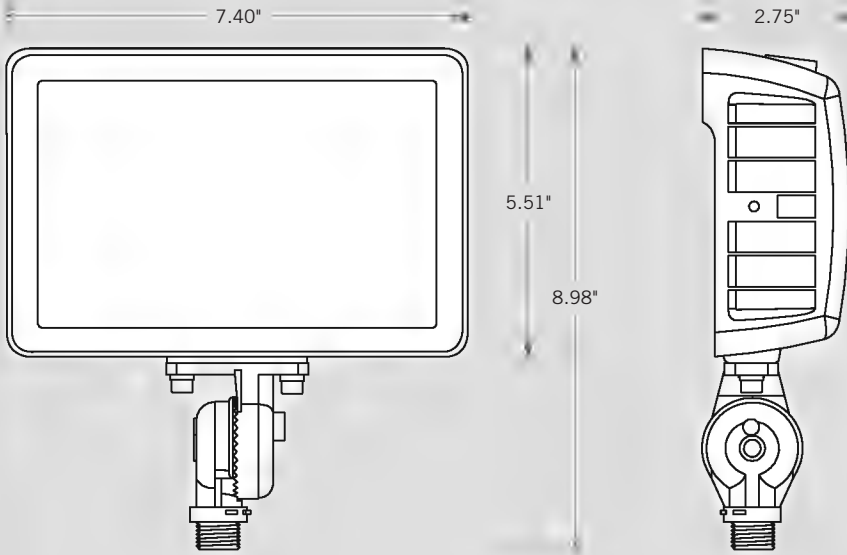


KT-FLED35-R1A-UNV-8CSB-VDIM

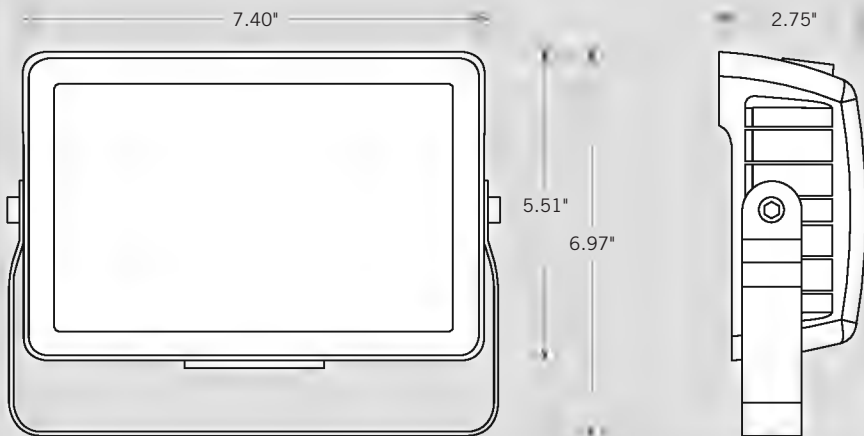
COMPACT 35W GENERAL-PURPOSE LED FLOOD LIGHT

PHYSICAL SPECIFICATIONS

NUCKLE MOUNT



YOKE MOUNT



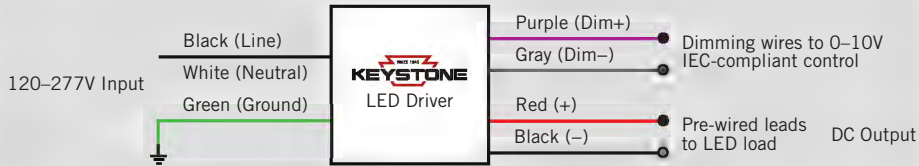


KT-FLED35-R1A-UNV-8CSB-VDIM

COMPACT 35W GENERAL-PURPOSE LED FLOOD LIGHT

GENERAL SETUP INSTRUCTIONS

GENERAL WIRING DIAGRAM



Caution: Before installing, make certain that AC power to the fixture is off.

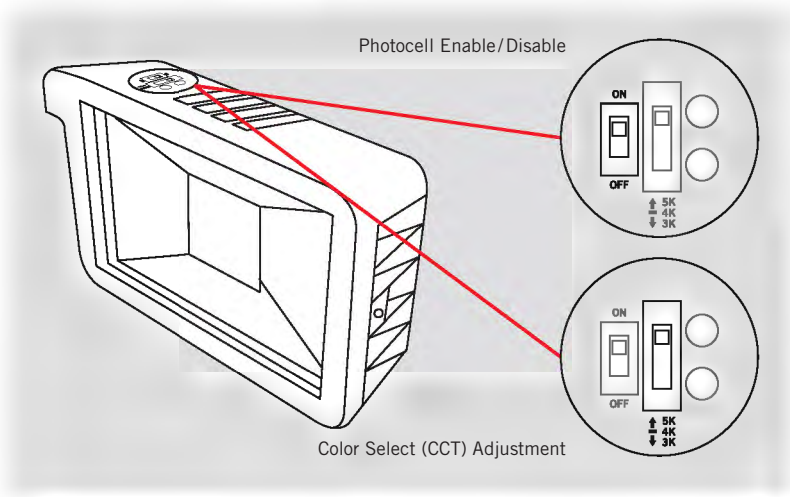
Caution: The electrical rating of this product is 120–277V. Installer must confirm that there is 120–277V at the fixture before installation.

PHOTOCELL ENABLE/DISABLE

This fixture is equipped with a dusk-to-dawn photocell behind the translucent knock-out (KO) cover. Adjust the dip switch to enable (ON) or disable (OFF) the photocell function (see illustrations to the right). Fixture comes preset with photocell enabled unless otherwise noted.

COLOR SELECT (CCT) ADJUSTMENT

This fixture is equipped with Color Select technology. There is an adjustable dip switch behind the translucent knock-out (KO) cover to change CCT between 5000K, 4000K, and 3000K (see illustrations to the right). Fixture comes preset at 5000K unless otherwise noted.



ACCESSORIES (SOLD SEPARATELY)

Catalog Number	Description
KT-FLED-SM-1-KIT	Flood Light Wall Mount Kit
KT-FLED-RC-4-W	4" Round Flood Light Junction Box Cover, White
KT-FLED-RC-4	4" Round Flood Light Junction Box Cover, Bronze



KT-FLED35-R1A-UNV-8CSB-VDIM

COMPACT 35W GENERAL-PURPOSE LED FLOOD LIGHT

ORDERING INFORMATION

ORDER CODE	PACK QTY.	ITEM STATUS
KT-FLED35-R1A-UNV-8CSB-VDIM	1	Quick Ship

CATALOG NUMBER BREAKDOWN

KT-FLED35-R1A-UNV-8CSB-VDIM

<p>1 Keystone Technologies</p> <p>2 Fixture Type</p> <p>3 LED Lamp</p> <p>4 Max Wattage</p> <p>5 Shape</p> <p>6 Style</p> <p>7 Distribution</p> <p>8 Mounting</p> <p>9 CRI</p> <p>10 Color</p> <p>11 Color Select Designation</p> <p>12 Dimming</p> <p>13 Housing Color</p>	<p>2 Fixture Type</p> <table border="1"> <tr><td>F</td><td>Flood</td></tr> <tr><td>WP</td><td>Wallpack</td></tr> </table> <p>5 Shape</p> <table border="1"> <tr><td>R</td><td>Rectangular</td></tr> <tr><td>C</td><td>Circular</td></tr> </table> <p>6 Style</p> <table border="1"> <tr><td>1</td><td>Non-Cutoff</td></tr> <tr><td>2</td><td>Full-Cutoff</td></tr> </table> <p>7 Distribution</p> <table border="1"> <tr><td>A</td><td>Wide (7 × 7)</td></tr> <tr><td>B</td><td>Narrow</td></tr> <tr><td>C</td><td>TBD Very Narrow</td></tr> </table> <p>8 Mounting</p> <table border="1"> <tr><td>UNV</td><td>Universal</td></tr> <tr><td>SF</td><td>Slip Fitter</td></tr> <tr><td>KNL</td><td>1/2" Knuckle</td></tr> </table> <p>9 CRI</p> <table border="1"> <tr><td>8</td><td>>80</td></tr> <tr><td>9</td><td>>90</td></tr> </table> <p>10 Color</p> <table border="1"> <tr><td>40</td><td>4000K</td></tr> <tr><td>50</td><td>5000K</td></tr> <tr><td>CS</td><td>Color Select</td></tr> </table> <p>11 Color Select Designation</p> <table border="1"> <tr><td>A</td><td>3500K, 4000K, 5000K</td></tr> <tr><td>B</td><td>3000K, 4000K, 5000K</td></tr> <tr><td>C</td><td>3000K, 3500K, 4000K, 5000K</td></tr> <tr><td>D</td><td>TBD</td></tr> </table> <p>12 Dimming</p> <table border="1"> <tr><td>VDIM</td><td>0-10V</td></tr> </table> <p>13 Housing Color</p> <table border="1"> <tr><td></td><td>Bronze</td></tr> <tr><td>B</td><td>Black</td></tr> <tr><td>W</td><td>White</td></tr> </table>	F	Flood	WP	Wallpack	R	Rectangular	C	Circular	1	Non-Cutoff	2	Full-Cutoff	A	Wide (7 × 7)	B	Narrow	C	TBD Very Narrow	UNV	Universal	SF	Slip Fitter	KNL	1/2" Knuckle	8	>80	9	>90	40	4000K	50	5000K	CS	Color Select	A	3500K, 4000K, 5000K	B	3000K, 4000K, 5000K	C	3000K, 3500K, 4000K, 5000K	D	TBD	VDIM	0-10V		Bronze	B	Black	W	White
F	Flood																																																		
WP	Wallpack																																																		
R	Rectangular																																																		
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1	Non-Cutoff																																																		
2	Full-Cutoff																																																		
A	Wide (7 × 7)																																																		
B	Narrow																																																		
C	TBD Very Narrow																																																		
UNV	Universal																																																		
SF	Slip Fitter																																																		
KNL	1/2" Knuckle																																																		
8	>80																																																		
9	>90																																																		
40	4000K																																																		
50	5000K																																																		
CS	Color Select																																																		
A	3500K, 4000K, 5000K																																																		
B	3000K, 4000K, 5000K																																																		
C	3000K, 3500K, 4000K, 5000K																																																		
D	TBD																																																		
VDIM	0-10V																																																		
	Bronze																																																		
B	Black																																																		
W	White																																																		

PENINSULAR ELECTRIC DIST, INC
PO BOX 2887
West Palm Beach FL 33402-2887
561-832-1626 Fax 561-832-2108

Quotation

ORDER DATE	ORDER NUMBER
06/06/23	S2690319
REMIT TO:	PAGE NO.
PENINSULAR ELECTRIC DIST, INC PO BOX 2887 West Palm Beach FL 33402-2887 561-832-1626 Fax 561-832-2108	1 of 1

QUOTE TO:
 CURRENT CONNECTIONS INC
 1620 HILL AVENUE
 MANGONIA PARK, FL 33407

SHIP TO:
 SWCD PS 1&2 ELECTRICAL REPAIR
 C/O CURRENT CONNECTION
 PS1-8085 ROYAL PALM BLVD/PS2-1
 CORAL SPRINGS, FL 33071

CUSTOMER NUMBER	CUSTOMER ORDER NUMBER	RELEASE NUMBER	SALESPERSON	
25991			TOM CROSSEY	
WRITER	SHIP VIA	TERMS	SHIP DATE	
JOHN ELLIOTT	ROUTE 2	EOM	06/27/23	
ORDER QTY	PART NO	DESCRIPTION	NET PRG	EXT PRG
5ea	354211	KEY KT-FLED35-R1A-UNV-8CSB-VDIM 35W, 4900 LUMENS, UNIV MOUNT, COLOR SELECT, BUILT IN PHOTOCCELL, BRONZE TAXES NOT INCLUDED	76.88/ea	384.42

This is a Quotation.

Prices are firm for 3 days, subject to change without notice after 3 days. Applicable taxes extra.

Subtotal	384.42
S&H CHGS	0.00
Amount Due	384.42

PROPOSED CHANGE ORDER

Current Connections, Inc.

1620 Hill Avenue
Mangonia Park, Florida 33407
Telephone: (561) 863-0010
Fax: (561) 863-5380

Client Address:

Sunshine Water Control District

2300 Glades Road, Suite 410W
Boca Raton, Florida 33431

CCN # 8

Date: 6/6/2023

Project Name: SWCD Pump Station #1 & 2 Electrical Re

Project Number: 2119

Page Number: 1

Site Address:

Pump Station #1 & 2

PS #1 - 8085 Royal Palm Blvd.
PS #2 - 10600 Riverside Dr
Coral Springs, Florida 33071

Work Description

Below is a labor and material breakdown for the work to replace nine (9) existing Wall Packs lighting fixtures with new 35W LED Wall Packs at Pump Station #2 and and five (5) existing Flood Lights over grates. Two wall Packs require a boom lift to reach as the fixtures are over the water.

We reserve the right to correct this quote for errors and omissions.

Itemized Breakdown

Replace Wall Packs

Description	Qty	Net Price U	Total Mat.	Labor U	Total Hrs.
B2-1 RED WIRE CONN	27	27.29 C	7.37	6.00 C	1.62
1/4" FENDER WASHER	36	48.00 C	17.28	1.50 C	0.54
1/4 X 1 3/4 TAPCONS	36	12.00 C	4.32	4.00 C	1.44
Remove Existing Wall Packs	9	0.00 E	0.00	0.65 E	5.85
35W LED Wall Pack 120V	9	0.00 E	0.00	1.15 E	10.35
Totals	117		28.97		19.80

Replace Flood Lights

Description	Qty	Net Price U	Total Mat.	Labor U	Total Hrs.
B2-1 RED WIRE CONN	4	27.29 C	1.09	6.00 C	0.24
1/4" x 2 1/2" S.S. Wedge Anchor	4	101.20 C	4.05	16.00 C	0.64
1/4" SS Fender Washers	4	48.00 C	1.92	0.75 C	0.03
Remove Existing Flood Light & Bracket	5	0.00 E	0.00	1.00 E	5.00
35W LED Flood Light	1	0.00 E	0.00	1.50 E	1.50
Flood Light Mounting Bracket	5	78.46 E	392.30	0.65 E	3.25
Totals	23		399.36		10.66

Summary

MATERIAL COSTS

General Materials 428.33
LIGHTING FIXTURES 1,335.72

Material Subtotal

Material Tax (@ 7.000 %) 123.48

Total Material

1,887.53

LABOR COSTS

APPRENTICE (7.62 Hrs @ \$58.00) 441.96
JOURNEYMAN (22.85 Hrs @ \$64.00) 1,462.40
FOREMAN @ 15% (4.57 Hrs @ \$80.00) 365.60
PROJECT MANAGER @ 15% (4.57 Hrs @ \$93.00) 425.01

ORIGINAL

PROPOSED CHANGE ORDER

Current Connections, Inc.
1620 Hill Avenue
Mangonia Park, Florida 33407

CCN # 8
Date: 6/6/2023
Project Name: SWCD Pump Station #1 & 2 Electrical
Project Number: 2119
Page Number: 2

Summary (Cont'd)

Total Labor		2,694.97
EQUIPMENT COSTS		
60' ARTICULATING MANLIFT	(1.00 @ 835.0000)	1,670.00
LIFT PICKUP & DELIVERY	(1.00 @ 400.0000)	400.00
Total Equipment		2,070.00
OVERHEAD & MARKUP		
Overhead	(@ 10.000 %)	665.25
Markup	(@ 5.000 %)	365.89
Total OH & P		1,031.14
Subtotal		7,683.64
P & P BOND FEE	(@ 1.900 %)	145.99
Final Adjustment		0.37
Final Amount		\$7,830.00

ORIGINAL



KT-WPLED35-M1-8CSB-VDIM

TRADITIONAL 35W NON-CUTOFF LED WALL PACK

DESCRIPTION

Traditional 35W Non-Cutoff LED Wall Pack | 120–277V Input | 3000–5000K | Medium-Size Bronze Housing | Glass Lens

APPLICATION

Building Mount for exterior illumination (perimeters, pathways, loading docks, and other general security lighting requirements)



PRODUCT FEATURES

- Traditional design matches appearance and light distribution pattern of legacy HID, optimized for one-for-one replacements
- Heavy-duty, die-cast aluminum housing with (5) available 1/2" threaded conduit hubs: (1) on back and (1) on all four sides
- Powered by Keystone 0–10V dimming LED drivers
- Keystone Color Select Technology: Adjustable CCT (3000K, 4000K, or 5000K)
- Built-in dusk-to-dawn photocell behind translucent 3/4" threaded plug with anti-yellowing agent
- Borosilicate glass lens diffuses light source and provides uniform distribution
- Covers footprint of mid-size HID wallpacks
- Ambient operating temperature: –20°C/–4°F to 45°C/113°F
- UL listed for wet locations, IP65
- 0–10V dimming, 10% min
- Power Factor: >0.95
- THD: <20%
- LED chip lifetime: L70 >100,000 hrs @ 25°C/77°F ambient fixture temp
- Meets FCC Part 15, Part B, Class A standards for conducted and radiated emissions

ELECTRICAL SPECIFICATIONS

Catalog Number	Wattage	Lumens	Lumens Below 90°	Dimming	CCT*	Efficacy	CRI	Housing Color	Input Voltage	Rated Life	Legacy Equivalent
KT-WPLED35-M1-8CSB-VDIM	35W	4865 lm	3955 lm	0–10V	3000K	139 lm/W	>80	Bronze	120–277V	50,000 hrs	150W MH
		5040 lm	4100 lm		4000K	144 lm/W					
		4690 lm	3815 lm		5000K	134 lm/W					

* Color Uniformity: CCT (Correlated Color Temperature) range as per guidelines outlined in ANSI C78.377-2017

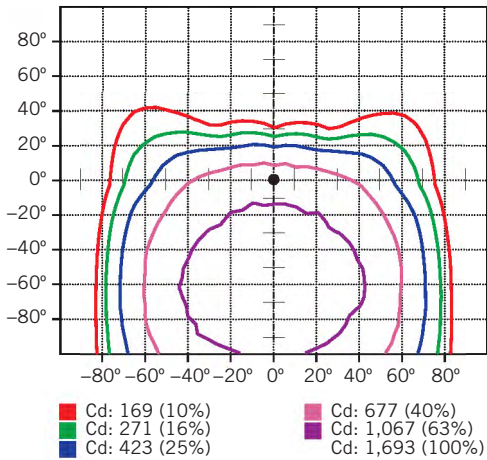


KT-WPLED35-M1-8CSB-VDIM

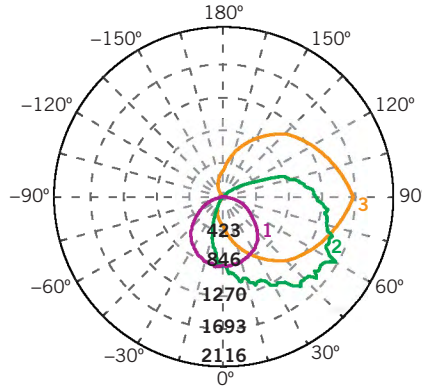
TRADITIONAL 35W NON-CUTOFF LED WALL PACK

PHOTOMETRIC SPECIFICATIONS

ISOCANDELA PLOT



LUMINOUS INTENSITY DISTRIBUTION



Average diffuse angle (50%): **111.0°**

- 1 Violet C0-C180
- 2 Green C90-C270
- 3 Orange G60

Unit: cd

FLUX DISTRIBUTION

Zone	Lumens	% Luminaire
Forward Light	3,122 lm	68.0%
0°-30°	441 lm	9.6%
30°-60°	1,269 lm	27.7%
60°-80°	981 lm	21.4%
80°-90°	430 lm	9.4%
Back Light	559 lm	13.1%
0°-30°	253 lm	5.5%
30°-60°	259 lm	5.7%
60°-80°	76 lm	1.6%
80°-90°	11 lm	0.2%
Up Light	867 lm	18.9%
90°-100°	357 lm	7.8%
100°-180°	510 lm	11.1%

BUG* Rating

Asymmetrical Luminaire Types

Type I, II, III, IV B1 U5 G3

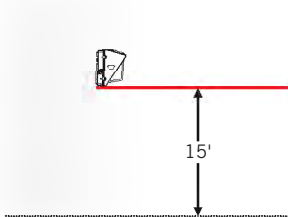
Quadrilateral Symmetrical Luminaire Types

Type V, Area Light B1 U5 G3

* Backlight, Uplight, Glare

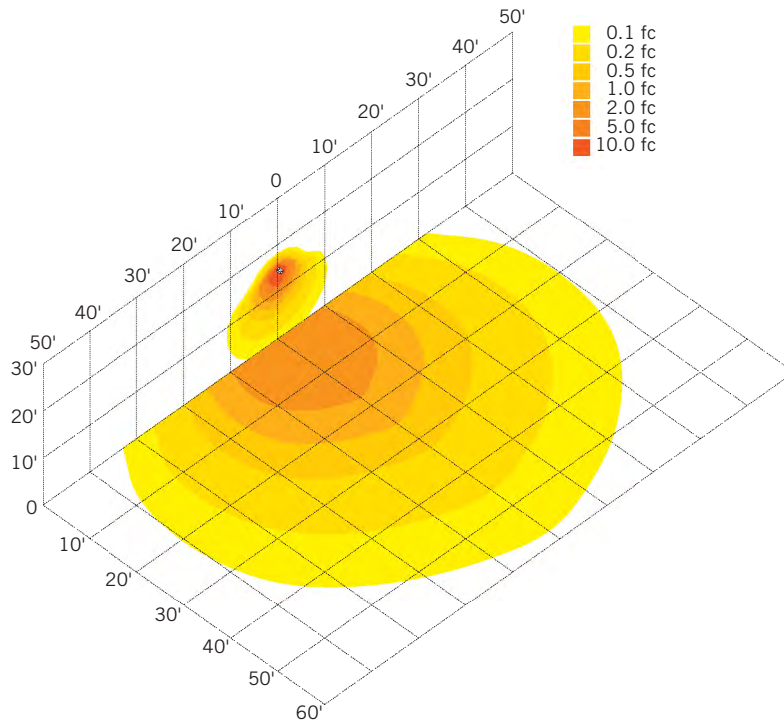
MOUNTING

Side view



LIGHT DISTRIBUTION PATTERN

Isometric view from above; Luminaire mounted at 15'

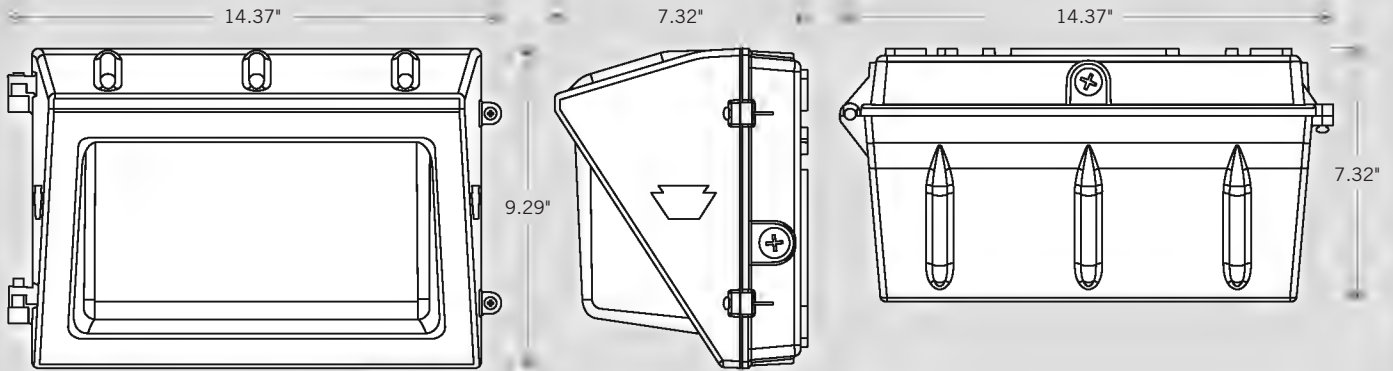




KT-WPLED35-M1-8CSB-VDIM

TRADITIONAL 35W NON-CUTOFF LED WALL PACK

PHYSICAL SPECIFICATIONS



GENERAL SETUP INSTRUCTIONS

GENERAL WIRING DIAGRAM



Caution: Before installing, make certain that AC power to the fixture is off.

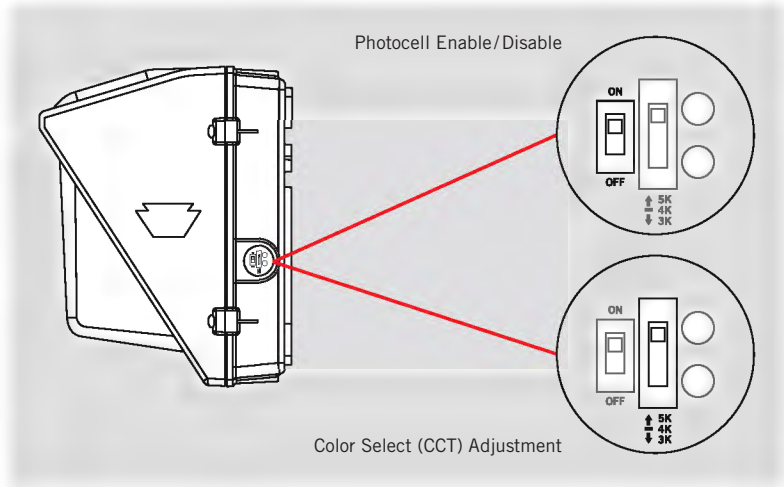
Caution: The electrical rating of this product is 120–277V. Installer must confirm that there is 120–277V at the fixture before installation.

PHOTOCELL ENABLE/DISABLE

This fixture is equipped with a dusk-to-dawn photocell behind the translucent knock-out (KO) cover. Adjust the dip switch to enable (ON) or disable (OFF) the photocell function (see illustrations to the right). Fixture comes preset with photocell enabled unless otherwise noted.

COLOR SELECT (CCT) ADJUSTMENT

This fixture is equipped with Color Select technology. There is an adjustable dip switch behind the translucent knock-out (KO) cover to change CCT between 5000K, 4000K, and 3000K (see illustrations to the right). Fixture comes preset at 5000K unless otherwise noted.





KT-WPLED35-M1-8CSB-VDIM

TRADITIONAL 35W NON-CUTOFF LED WALL PACK

ACCESSORY (SOLD SEPARATELY)

Catalog Number	Description
KTSP-10KV-C	Wallpack 10kV Surge Protector, Compact Design

ORDERING INFORMATION

ORDER CODE	PACK QTY.	ITEM STATUS
KT-WPLED35-M1-8CSB-VDIM	1	Quick Ship

CATALOG NUMBER BREAKDOWN

KT-WPLED35-M1-8CSB-VDIM

1	2	3	4	5	6	7	8	9	10
1 Keystone Technologies	2 Fixture Type	3 LED Lamp	4 Max Wattage	5 Size	6 Style	7 CRI	8 Color	9 Color Select Designation	10 Dimming
	F Flood WP Wallpack			S Small M Medium L Large	1 Non-Cutoff 2 Full-Cutoff	8 >80 9 >90	40 4000K 50 5000K CS Color Select	A 3500K, 4000K, 5000K B 3000K, 4000K, 5000K C 3000K, 3500K, 4000K, 5000K D TBD	VDIM 0-10V

PENINSULAR ELECTRIC DIST, INC
PO BOX 2887
West Palm Beach FL 33402-2887
561-832-1626 Fax 561-832-2108

Quotation

ORDER DATE	ORDER NUMBER
04/05/23	S2670249
REMIT TO: PENINSULAR ELECTRIC DIST, INC PO BOX 2887 West Palm Beach FL 33402-2887 561-832-1626 Fax 561-832-2108	PAGE NO 1 of 1

QUOTE TO:
 CURRENT CONNECTIONS INC
 1620 HILL AVENUE
 MANGONIA PARK, FL 33407

SHIP TO:
 SWCD PS 1&2 ELECTRICAL REPAIR
 C/O CURRENT CONNECTION
 PS1-8085 ROYAL PALM BLVD/PS2-1
 CORAL SPRINGS, FL 33071

CUSTOMER NUMBER	CUSTOMER ORDER NUMBER	RELEASE NUMBER	SALESPERSON	
25991			TOM CROSSEY	
WRITER	SHIP VIA	TERMS	SHIP DATE	
JOHN ELLIOTT	ROUTE 2	EOM	04/05/23	
ORDER QTY	PART NO	DESCRIPTION	NET PRG	EXT PRG
8ea	354227	KEY KT-WPLED35-M1-8CSB-VDIM 35W, 4690 LUMENS, TRADITIONAL WALLPACK, 0-10V DIM, COLOR SELECT, BRONZE, MEDIUM HOUSING TAXES NOT INCLUDED	118.91/ea	951.30

This is a Quotation.

Prices are firm for 3 days, subject to change without notice after 3 days. Applicable taxes extra.

Subtotal	951.30
S&H CHGS	0.00
Amount Due	951.30



KT-FLED35-R1A-UNV-8CSB-VDIM

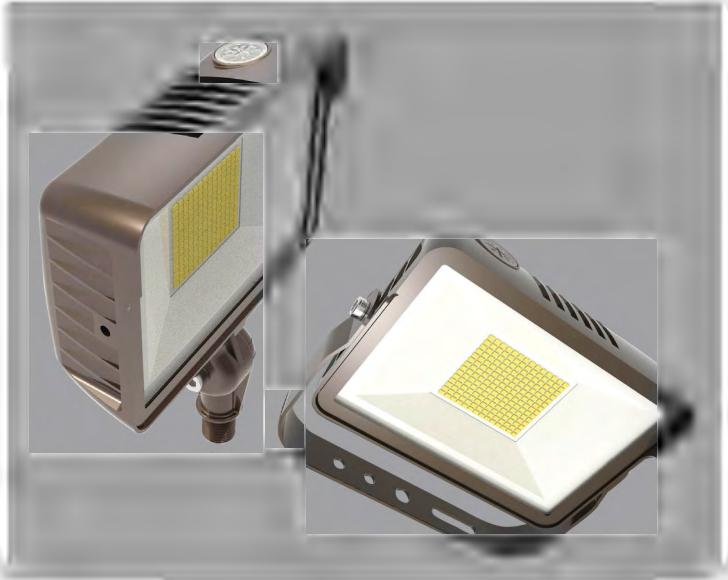
COMPACT 35W GENERAL-PURPOSE LED FLOOD LIGHT

DESCRIPTION

Compact 35W General-Purpose LED Flood Light | 120–277V Input | 3000–5000K | Bronze Housing | Multiple Mounting Options

APPLICATION

Building Mount or Ground Mount for outdoor illumination (landscapes, display signage, loading docks, building façades, pathways, parking areas, and other general site lighting requirements)



PRODUCT FEATURES

- Uniform, wide flood design (NEMA 7h x 7w distribution pattern)
- Heavy-duty, die cast aluminum housing featuring built-in glare visor and tempered glass lens
- Powered by Keystone 0–10V dimming LED drivers
- Keystone Color Select Technology: Adjustable CCT (3000K, 4000K, or 5000K)
- Built-in dusk-to-dawn photocell behind translucent 3/4" threaded plug with anti-yellowing agent
- Heavy-duty 1/2" knuckle mount with 90° adjustment and yoke mount options included
- Ambient operating temperature: –20°C/–4°F to 45°C/113°F
- UL listed for wet locations, IP65
- 0–10V dimming, 10% min
- Power Factor: >0.95
- THD: <20%
- LED chip lifetime: L70 >100,000 hrs @ 25°C/77°F ambient fixture temp
- Meets FCC Part 15, Part B, Class A standards for conducted and radiated emissions

ELECTRICAL SPECIFICATIONS

Catalog Number	Wattage	Lumens	Dimming	CCT*	Efficacy	CRI	Housing Color	Mounting	Input Voltage	Rated Life	Legacy Equivalent
KT-FLED35-R1A-UNV-8CSB-VDIM	35W	4480 lm	0–10V	3000K	128 lm/W	>80	Bronze	Universal: 1/2" Knuckle or yoke	120–277V	50,000 hrs	150–175W MH
		5075 lm		4000K	145 lm/W						
		4900 lm		5000K	140 lm/W						

* Color Uniformity: CCT (Correlated Color Temperature) range as per guidelines outlined in ANSI C78.377-2017

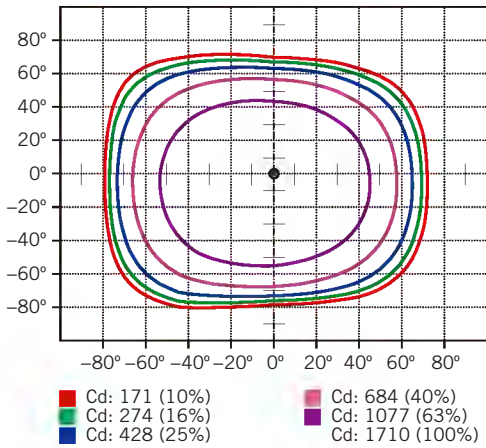


KT-FLED35-R1A-UNV-8CSB-VDIM

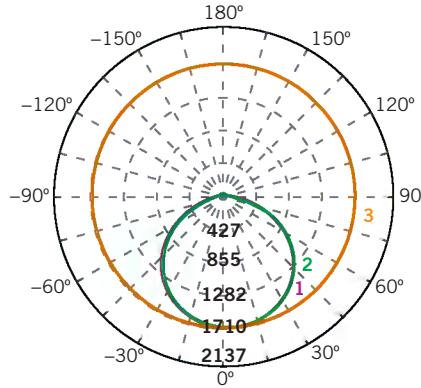
COMPACT 35W GENERAL-PURPOSE LED FLOOD LIGHT

PHOTOMETRIC SPECIFICATIONS

ISOCANDELA PLOT



LUMINOUS INTENSITY DISTRIBUTION



Average diffuse angle (50%): **114.3°**

- 1 Violet C0-C180
- 2 Green C90-C270
- 3 Orange G3

Unit: cd

FLUX DISTRIBUTION

Zone	Lumens	% Luminaire
Forward Light	2,527 lm	53.2%
0°-30°	675 lm	14.2%
30°-60°	1,366 lm	28.8%
60°-80°	471 lm	9.9%
80°-90°	15 lm	0.3%
Back Light	2,181 lm	46.0%
0°-30°	656 lm	13.8%
30°-60°	1,223 lm	25.8%
60°-80°	297 lm	6.3%
80°-90°	5 lm	0.1%
Up Light	39 lm	0.8%
90°-100°	2 lm	0.0%
100°-180°	36 lm	0.8%

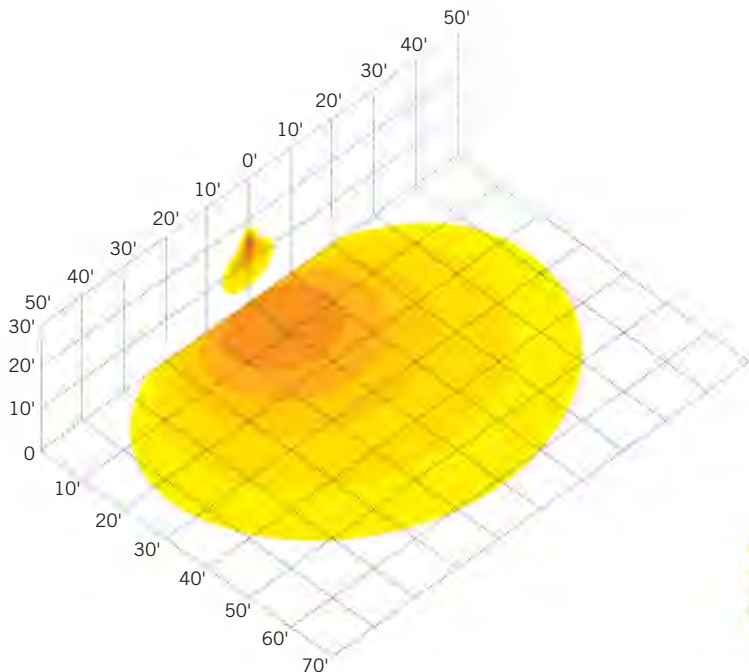
BUG* Rating

Asymmetrical Luminaire Types	
Type I, II, III, IV	B2 U2 G1
Quadrilateral Symmetrical Luminaire Types	
Type V, Area Light	B2 U2 G1

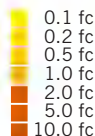
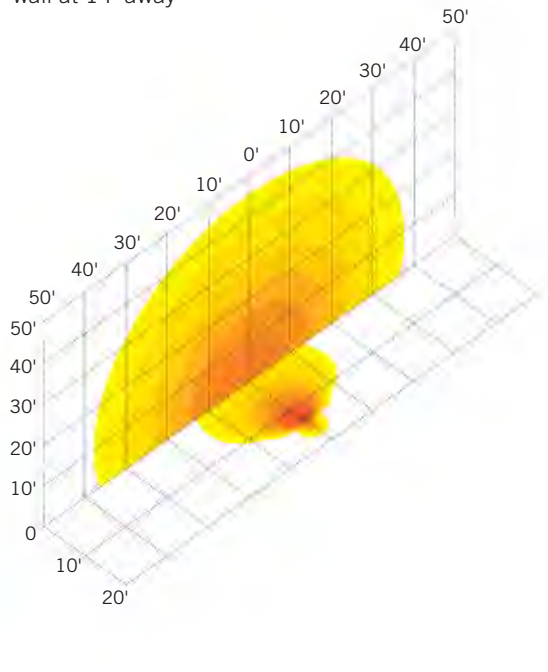
* Backlight, Uplight, Glare

LIGHT DISTRIBUTION PATTERNS (Isometric view from above)

Building exterior mounted at 15',
30° below horizontal



Ground mounted at 6' above ground,
10° above horizontal, shining towards building exterior
wall at 14' away



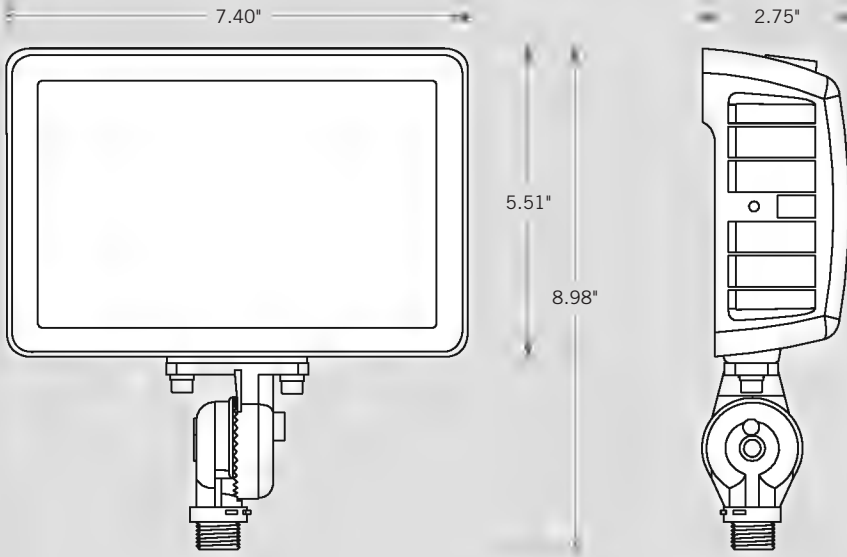


KT-FLED35-R1A-UNV-8CSB-VDIM

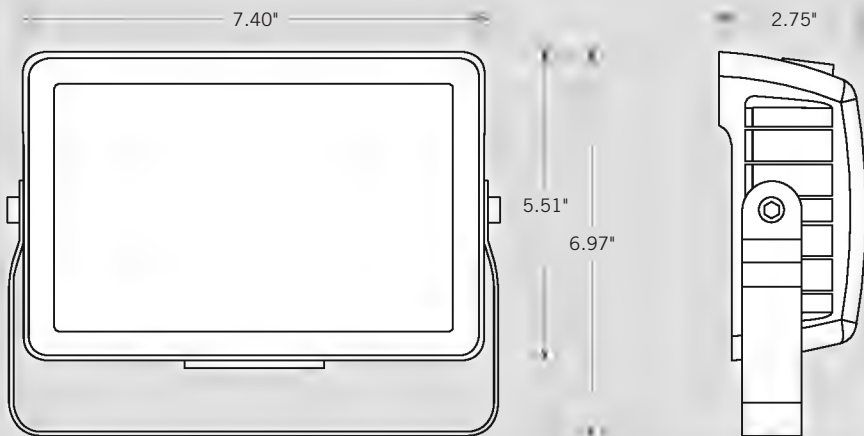
COMPACT 35W GENERAL-PURPOSE LED FLOOD LIGHT

PHYSICAL SPECIFICATIONS

NUCKLE MOUNT



YOKE MOUNT



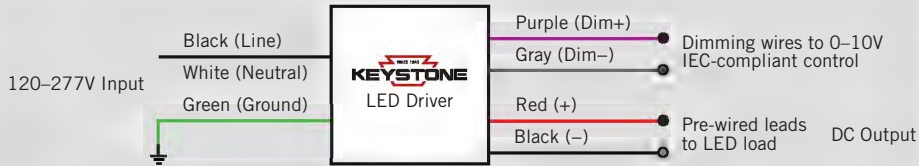


KT-FLED35-R1A-UNV-8CSB-VDIM

COMPACT 35W GENERAL-PURPOSE LED FLOOD LIGHT

GENERAL SETUP INSTRUCTIONS

GENERAL WIRING DIAGRAM



Caution: Before installing, make certain that AC power to the fixture is off.

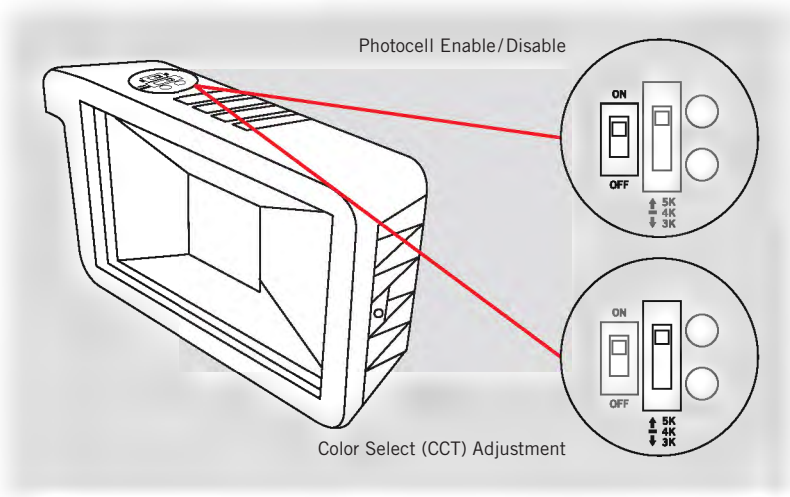
Caution: The electrical rating of this product is 120–277V. Installer must confirm that there is 120–277V at the fixture before installation.

PHOTOCELL ENABLE/DISABLE

This fixture is equipped with a dusk-to-dawn photocell behind the translucent knock-out (KO) cover. Adjust the dip switch to enable (ON) or disable (OFF) the photocell function (see illustrations to the right). Fixture comes preset with photocell enabled unless otherwise noted.

COLOR SELECT (CCT) ADJUSTMENT

This fixture is equipped with Color Select technology. There is an adjustable dip switch behind the translucent knock-out (KO) cover to change CCT between 5000K, 4000K, and 3000K (see illustrations to the right). Fixture comes preset at 5000K unless otherwise noted.



ACCESSORIES (SOLD SEPARATELY)

Catalog Number	Description
KT-FLED-SM-1-KIT	Flood Light Wall Mount Kit
KT-FLED-RC-4-W	4" Round Flood Light Junction Box Cover, White
KT-FLED-RC-4	4" Round Flood Light Junction Box Cover, Bronze



KT-FLED35-R1A-UNV-8CSB-VDIM

COMPACT 35W GENERAL-PURPOSE LED FLOOD LIGHT

ORDERING INFORMATION

ORDER CODE	PACK QTY.	ITEM STATUS
KT-FLED35-R1A-UNV-8CSB-VDIM	1	Quick Ship

CATALOG NUMBER BREAKDOWN

KT-FLED35-R1A-UNV-8CSB-VDIM

1	2	3	4	5	6	7	8	9	10	11	12	13
1 Keystone Technologies	2 Fixture Type	3 LED Lamp	4 Max Wattage	5 Shape	6 Style	7 Distribution	8 Mounting	9 CRI	10 Color	11 Color Select Designation	12 Dimming	13 Housing Color
	F Flood WP Wallpack			R Rectangular C Circular	1 Non-Cutoff 2 Full-Cutoff	A Wide (7 x 7) B Narrow C TBD Very Narrow	UNV Universal SF Slip Fitter KNL 1/2" Knuckle	8 >80 9 >90	40 4000K 50 5000K CS Color Select	A 3500K, 4000K, 5000K B 3000K, 4000K, 5000K C 3000K, 3500K, 4000K, 5000K D TBD	VDIM 0-10V	Bronze B Black W White

PENINSULAR ELECTRIC DIST, INC
PO BOX 2887
West Palm Beach FL 33402-2887
561-832-1626 Fax 561-832-2108

Quotation

ORDER DATE	ORDER NUMBER	PAGE NO
06/06/23	S2690319	1 of 1
REMIT TO: PENINSULAR ELECTRIC DIST, INC PO BOX 2887 West Palm Beach FL 33402-2887 561-832-1626 Fax 561-832-2108		

QUOTE TO:
 CURRENT CONNECTIONS INC
 1620 HILL AVENUE
 MANGONIA PARK, FL 33407

SHIP TO:
 SWCD PS 1&2 ELECTRICAL REPAIR
 C/O CURRENT CONNECTION
 PS1-8085 ROYAL PALM BLVD/PS2-1
 CORAL SPRINGS, FL 33071

CUSTOMER NUMBER	CUSTOMER ORDER NUMBER	RELEASE NUMBER	SALESPERSON	
25991			TOM CROSSEY	
WRITER	SHIP VIA	TERMS	SHIP DATE	
JOHN ELLIOTT	ROUTE 2	EOM	06/27/23	
ORDER QTY	PART NO	DESCRIPTION	NET PRG	EXT PRG
5ea	354211	KEY KT-FLED35-R1A-UNV-8CSB-VDIM 35W, 4900 LUMENS, UNIV MOUNT, COLOR SELECT, BUILT IN PHOTOCCELL, BRONZE TAXES NOT INCLUDED	76.88/ea	384.42

This is a Quotation.

Prices are firm for 3 days, subject to change without notice after 3 days. Applicable taxes extra.

Subtotal	384.42
S&H CHGS	0.00
Amount Due	384.42

PROPOSED CHANGE ORDER

Current Connections, Inc.

1620 Hill Avenue
Mangonia Park, Florida 33407
Telephone: (561) 863-0010
Fax: (561) 863-5380

Client Address:

Sunshine Water Control District

2300 Glades Road, Suite 410W
Boca Raton, Florida 33431

CCN # 6
Date: 6/1/2023
Project Name: SWCD Pump Station #1 & 2 Electrical Re
Project Number: 2119
Page Number: 1

Site Address:

Pump Station #1 & 2

PS #1 - 8085 Royal Palm Blvd.
PS #2 - 10600 Riverside Dr
Coral Springs, Florida 33071

Work Description

Below is a labor and material breakdown for the work to pressure clean and paint the existing building as per attached Butler Construction CPR#006.

We reserve the right to correct this quote for errors and omissions.

Itemized Breakdown

Summary

LABOR COSTS

CONTRACT MANAGEMENT	(4.00 Hrs @ \$93.00)	372.00
---------------------	----------------------	--------

Total Labor

372.00

OVERHEAD & MARKUP

Overhead	(@ 10.000 %)	37.20
Markup	(@ 5.000 %)	20.46

Total OH & P

57.66

Subtotal

429.66

SUBCONTRACTORS

PRESSURE CLEAN AND PAINT	(\$10,226.00 + 0.000 % + 0.000 % + 7.500 %)	10,992.95
--------------------------	---	-----------

Total Subcontractors

10,992.95

Subtotal

11,422.61

P & P BOND FEE		217.03
Final Adjustment	(@ 1.900 %)	0.36

Final Amount

\$11,640.00

ORIGINAL

PROPOSED CHANGE ORDER

Current Connections, Inc.

1620 Hill Avenue
Mangonia Park, Florida 33407
Telephone: (561) 863-0010
Fax: (561) 863-5380

Client Address:

Sunshine Water Control District

2300 Glades Road, Suite 410W
Boca Raton, Florida 33431

CCN # 7

Date: 6/1/2023

Project Name: SWCD Pump Station #1 & 2 Electrical Re

Project Number: 2119

Page Number: 1

Site Address:

Pump Station #1 & 2

PS #1 - 8085 Royal Palm Blvd.
PS #2 - 10600 Riverside Dr
Coral Springs, Florida 33071

Work Description

Below is a labor and material breakdown for the work to provide building permit fees for Convault tank enclosure.

Permit Fees Paid

Building Permit	\$2,154.02
BCSD	\$ 110.00
Carried Allowance	<u>(\$ 580.00)</u>
Total Fees	\$ 1,712.00

We reserve the right to correct this quote for errors and omissions.

Itemized Breakdown

Summary

LABOR COSTS

CONTRACT MANAGEMENT (3.00 Hrs @ \$93.00) 279.00

Total Labor

279.00

GENERAL EXPENSE COSTS

PERMITS & INSPECTIONS (1.00 @ 1,712.0000) 1,712.00

Total General Expenses

1,712.00

OVERHEAD & MARKUP

Overhead (@ 10.000 %) 199.10

Markup (@ 5.000 %) 109.51

Total OH & P

308.61

Subtotal

2,299.61

P & P BOND FEE (@ 1.900 %) 43.69

Final Adjustment 1.70

Final Amount

\$2,345.00

ORIGINAL

202214.094.30000

My Dashboard

Payment Status: Paid Print this page as your receipt of payment. You will also receive an e-mail confirmation.

Receipt No: WEB43203
Date: 1/30/2023 4:25:12 PM

Permits

- Permit Search
- Pay Fees
- Issued Permits Report

Projects

- Search Projects
- Pay Fees
- Fees Estimator

Name: 24530

Contractor

- Search Contractors

Properties

- Search Property

Inspections

- Schedule
- Cancel
- Scheduled

Licensing

- Search Licenses
- Pay Fees

Code Compliance

- Search
- Pay Fees

Shopping Cart

- Pay All Fees
- Paid Items

Contact

- Contact us

PERMIT	BP22-001320	10500 RIVERSIDE DR PUMP	ALTERATION
ALTERATIONS AND ADDITIONS MECHANICAL			\$447.02
FIRE			\$202.82
	<i>FIRE PLAN REVIEW</i>	\$202.82	
MISCELLANEOUS			\$127.07
	<i>BROWARD COUNTY SURTAX</i>	\$37.49	
	<i>BUILDING SURCHARGE DBPR</i>	\$27.36	
	<i>BUILDING SURCHARGE DCA</i>	\$18.24	
	<i>EDUCATIONAL AND TECHNOLOGY SURTAX</i>	\$43.98	
ALTERATIONS AND ADDITIONS STRUCTURAL			\$1,377.11
		Subtotal	\$2,154.02

Total amount paid: \$2,154.02



Subtotal \$2,154.02
SAB Mastercard

SWCD PS#2 permit fees

The City of Coral Springs, Florida makes every effort to produce and publish the most current and accurate information possible. No warranties express or implied, are provided for the data, content, or services herein, its use, or its interpretation. In no event shall the City of Coral Springs, Florida be responsible or liable, directly or indirectly, for any damage or loss caused or alleged to be caused by or in connection with the use of or reliance on any such data, content, or services available on or through any such website or resource. Utilization of this website and resources constitutes acceptance of this statement.

Refund Policy:

A credit card refund will ONLY be applied when an overpayment has occurred in error. The refund amount will ONLY be applied to the card used in the original transaction.



Scott butler

From: CORAL SPGS BUS TAX CODE <noreply@elavon.com>
Sent: Monday, January 30, 2023 4:27 PM
To: Scott butler
Subject: Order Confirmation

CORAL SPGS BUS TAX CODE
9500 W SAMPLE RD
CORAL SPRINGS, FL 33065
954-344-1138

Order Results

Profile Name: CORAL SPGS BUS TAX CODE
Transaction ID: 300123C18-2CFC06C9-A205-4E78-BC27-728E19DB3C9B
Date/Time: 01/30/2023 04:26:54 PM
Transaction Type: SALE
Approval Message: APPROVAL
Approval Code: 20083P
ECl:

Order Section

Card Number : *****6798
Amount : \$2154.02 USD
Description : ebd4790b-18fe-458d-a9ff-5268c9952851

Billing Address

First Name : Scott
Last name : Butler
Address1 : 636 Atlantic Road
City : North Palm Beach
State/Province : FL
Postal Code : 33408
Country : United States
Phone : 5618329700
Email Address : sbutler@butlerconstructionusa.com

The information contained in this e-mail and in any attachments is intended only for the person or entity to which it is addressed and may contain confidential and/or privileged material. Any review, retransmission, dissemination or other use of, or taking of any action in reliance upon, this information by persons or entities other than the intended recipient is prohibited. This message has been scanned for known computer viruses.

My Dashboard

Payment Status: Paid Print this page as your receipt of payment. You will also receive an e-mail confirmation.

Receipt No: WEB43976
Date: 3/3/2023 10:53:07 AM

Permits

- Apply / New Permit
- Permit Search
- Pay Fees
- Issued Permits Report

Projects

- Apply for New Project
- Search Projects
- Pay Fees
- Fees Estimator

Name: 24530

Contractor

- Search Contractors

PERMIT	BP22-001320	10500 RIVERSIDE DR PUMP ALTERATION	\$27.48
FIRE		MINOR PLAN REVISION <15 MIN	\$27.48
		Subtotal	\$27.48

Properties

- Search Property

Inspections

- Schedule
- Cancel
- Scheduled

Total amount paid: \$27.48

[PRINT SUMMARY](#)

202214094.30000

Licensing

- Apply for New Licenses
- Search Licenses
- Pay Fees

Code Compliance

- Search
- Pay Fees

Shopping Cart

- Pay All Fees
- Paid Items

Contact

- Contact us

Scott M/C

ENTERED
MAR - 3 2023

Scott butler

From: BCSD_PAYMENT_CONFIRM@broward.org
Sent: Wednesday, February 1, 2023 8:54 AM
To: Scott butler; derplans@broward.org
Subject: Broward County ePermit Online Payment Receipt

Thank you for your payment.

Please print this message for your records.

If any information below is inaccurate, please call us at (954) 765-4400 immediately.

Receipt Date: **2/1/2023 8:54 AM**

Items Paid For: **442324**

Transaction ID: **2023020100015**

Total: **\$110.00**

Convenience Fee: **\$0.00**

Grand Total: **\$110.00**

Confirmation number: **Epermits Online Payment-Authorization Code: 219575**

Billing Information

Date Paid: **2/1/2023 8:54 AM**

Paid By: **Scott Butler**

Credit Card #: ******015**

Contact Information

Address: **4807 Georgia Ave West Palm Beach FL 33405**

Phone: **561-832-9700**

Email: **sbutler@butlerconstructionusa.com**

**SUNSHINE
WATER CONTROL DISTRICT**

**STAFF
REPORTS
BII**



May 30, 2023

Board of Supervisors
Sunshine Water Control District
2300 Glades Road, Suite 410W
Boca Raton, Florida 33073

RE: SWCD RIGHT-OF-WAY (ROW) PERMIT APPLICATION
Directional bore installation of fiber optic cable consisting of 200 LF of 2" HDPE Conduit under the East
Outfall Canal (EOFC) at the Atlantic Blvd Bridge
Permittee: Comcast
Project Sites: SWCD EOFC/Atlantic Blvd
S34/T48S/R41E
CAS PROJECT NO. 15-1826

Dear Board of Supervisors:

We have reviewed a ROW permit application submitted by Comcast for the proposed directional bore installation of fiber optic cable consisting of 200 LF - 2" HDPE Conduit under the SWCD "EOFC" on the north side of the Atlantic Blvd Bridge. The applicant has met SWCD applicable subaqueous criteria and we recommend that the SWCD Board of Supervisors issue a Right-of-Way Permit to the applicant, subject to the following Special Conditions to be made part of the Permit:

1. All work must be in compliance with the latest SWCD Permit Criteria Manual.
2. Permittee will ensure that all necessary Sediment & Erosion Control devices will be utilized at the SWCD right-of-way during construction.
3. Trash bond (\$2,500) shall be submitted prior to permit issuance and the Contractor shall repair and replace any SWCD facilities damaged during construction at no cost to the District.
4. A copy of Record As-builts and Engineer Certification shall be provided to SWCD upon completion of all work.
5. All applicable permits and approvals for Work shall be obtained.
6. All disturbed areas are to be restored.
7. SWCD shall be notified at least 48 hours prior to construction.

Sincerely,

CRAIG A. SMITH & ASSOCIATES

Orlando A. Rubio, PE
VP of Stormwater Engineering

Enclosures: Plans

cc: SWCD – Cory Selchan, Field Superintendent (via e-mail)
WHA - Jamie Sanchez, Cindy Cerbone, Gianna Denofrio (via e-mail)
CAS – Stephen C. Smith, PE (via e-mail)

\\cas-file\Projects\Districts\Sunshine_Water_Control\19-2064-1CP-SWCD Non recovery\01-RIGHT-OF-WAY\2023\15-1826-NCR-Comcast_7700NW5CT\04-Correspondence\02-Letters\Comcast_AtlBlvd_EOFC.docx



561.314.4445



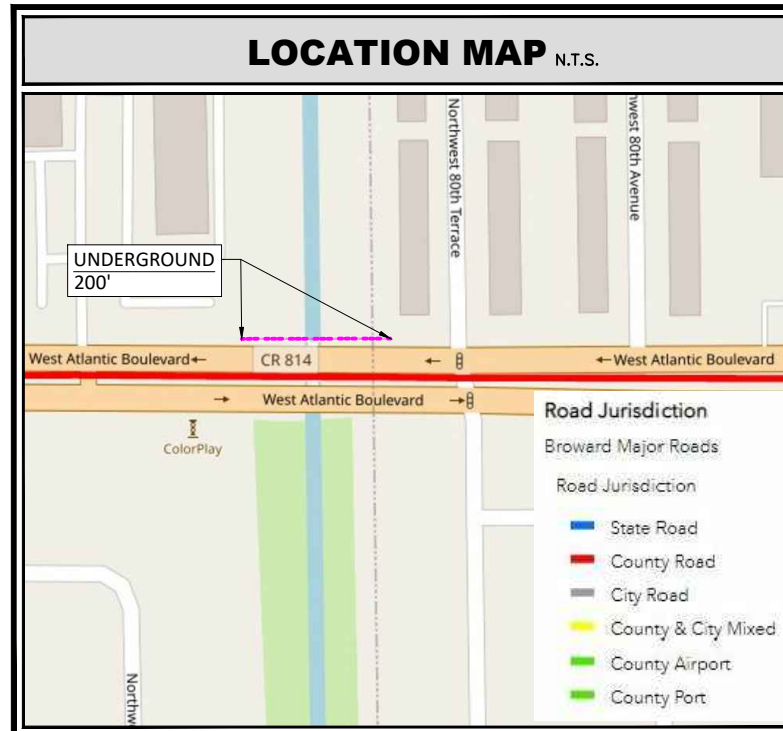
21045 Commercial Trail
Boca Raton, FL 33486



MARGATE BROWARD COUNTY

SYMBOLS		

	NEW BUILD
	MAINTENANCE
	XNET/FIBER DEEP
	SPAN REPLACEMENT
	HYPER BUILD
	SMB
	RESIDENTIAL
	NODE SPLIT
	FORCED RELOCATION
	PLANT EXTENSION
	POWER SUPPLY
	PERMIT / BUILDING
	C.O.I.
	EASEMENT ADQUISITION
	RE-WIRE
	FTTP
	SPRINT DARK FIBER
	METRO-E



SHEET INDEX	
No.	DESCRIPTION
01 OF 03	COVER SHEET
02 OF 03	PLAN VIEW
03 OF 03	PROFILE VIEW
102-600,-613,-615,-660	MOT
630-001, 520-001	DETAILS
522-001, 522-002	
FOOTAGE DATA	
JOB DESCRIPTION	FTG
DIRECTIONAL BORE	200'
TOTAL FTG THIS PERMIT	200'

LINETYPES	
SANITARY	
STORM	
WATER	
COMMUNICATIONS	
TELEPHONE	
TV	
ELECTRIC	
GAS	
STEAM	
OIL	
RIGHT OF WAY	
PROPERTY LINE	
UTILITY EASEMENT	
EDGE OF PAVEMENT	
CENTER LINE	
TRAFFIC ARROW	
TRAIN TRACKS	
FIBER EXISTING	
FIBER AERIAL	
FIBER DBORE	
FIBER TRENCH	
EXCAVATION	

**NOTES AND SPECIFICATIONS
(WHEN APPLICABLE)**

- SAW CUT AND REMOVE EXISTING ASPHALT PAVEMENT FOR DUCTBANK INSTALLATION. BACKFILL, RESTORE AND REPAVE AS PER PERMITTING SPECIFICATIONS GOVERNMENT AGENCY.
- PLACE FLUSH MOUNTED CONCRETE VAULTS IN SIDEWALK AT LOCATIONS NOTED.
- ALL TRENCHES SHALL BE BACKFILLED AND TAMPED IN 6" LAYERS AS PER PERMITTING SPECIFICATIONS GOVERNMENT AGENCY.
- REPLACE TO EXPANSION JOINTS WHEN RESTORING CONCRETE SIDEWALKS.
- MINIMUM CLEARANCE FROM DUCTBANK TO CROSSING OTHER UTILITIES IS TO BE 12".
- MINIMUM CLEARANCE FROM DUCTBANK TO PARALLELING OTHER UTILITIES IS TO BE 12".
- TUNNEL UNDER ALL CURBS AND GUTTERS.
- PLACE MARKER TAPE 12" ABOVE DUCTBANK THROUGHOUT ROUTE.
- HAND TRENCHING IS REQUIRED WHERE DUCTBANK CROSSES OTHER UTILITIES. SUPPORT EXISTING UTILITIES EXPOSED DURING EXCAVATION TO PREVENT DAMAGE DUE TO SAGGING AND DISTORTION.
- INFORMATION SHOWN ON DRAWINGS REGARDING THE PRESENCE, CHARACTER AND LOCATION OF EXISTING UTILITIES IS A SCHEMATIC REPRESENTATION TAKEN FROM THE BEST AVAILABLE INFORMATION. THERE IS NO CERTAINTY OF THE ACCURACY OF THIS INFORMATION. UTILITIES AND STRUCTURES NOT SHOWN MAY BE ENCOUNTERED.
- NO CONSTRUCTION SHALL COMMENCE PRIOR TO THE LOCATION OF ALL UNDERGROUND UTILITIES. UTILITY LOCATION SERVICE: 1-800-432-4770.
- THIS NOTES APPLY TO ALL PERMITS IN THIS SET.
- USE THE "ACUPUNCTURE TYPE MISSILE" FOR ALL SIDEWALK CROSSINGS AND DRIVEWAY CROSSINGS UP TO 40' MAXIMUM.
- ALL OPEN ASPHALT CUTS SHALL BE RESTORED TO PERMITTING AUTHORITY "MINIMUM STANDARDS" WHEN APPLICABLE.
- EXACT LOCATION OF TRENCH MAY VARY DUE TO THE LOCATION OF EXISTING UTILITIES AND OTHER HAZARDS.
- NO OPEN TRENCH TO LEFT OVERNIGHT, UNLESS THERE IS A UTILITY DAMAGED, IN THAT CASE CONTRACTOR SHALL PLACE A SAFETY NETTING AROUND OPEN TRENCH.

NOTE:
LOCATIONS, ELEVATIONS AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES AND OTHER SITE FEATURES SHOWN ON THE DRAWINGS ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. PLEASE CONTACT SUNSHINE STATE ONE-CALL AT 1-800-432-4770

APPROVED BY

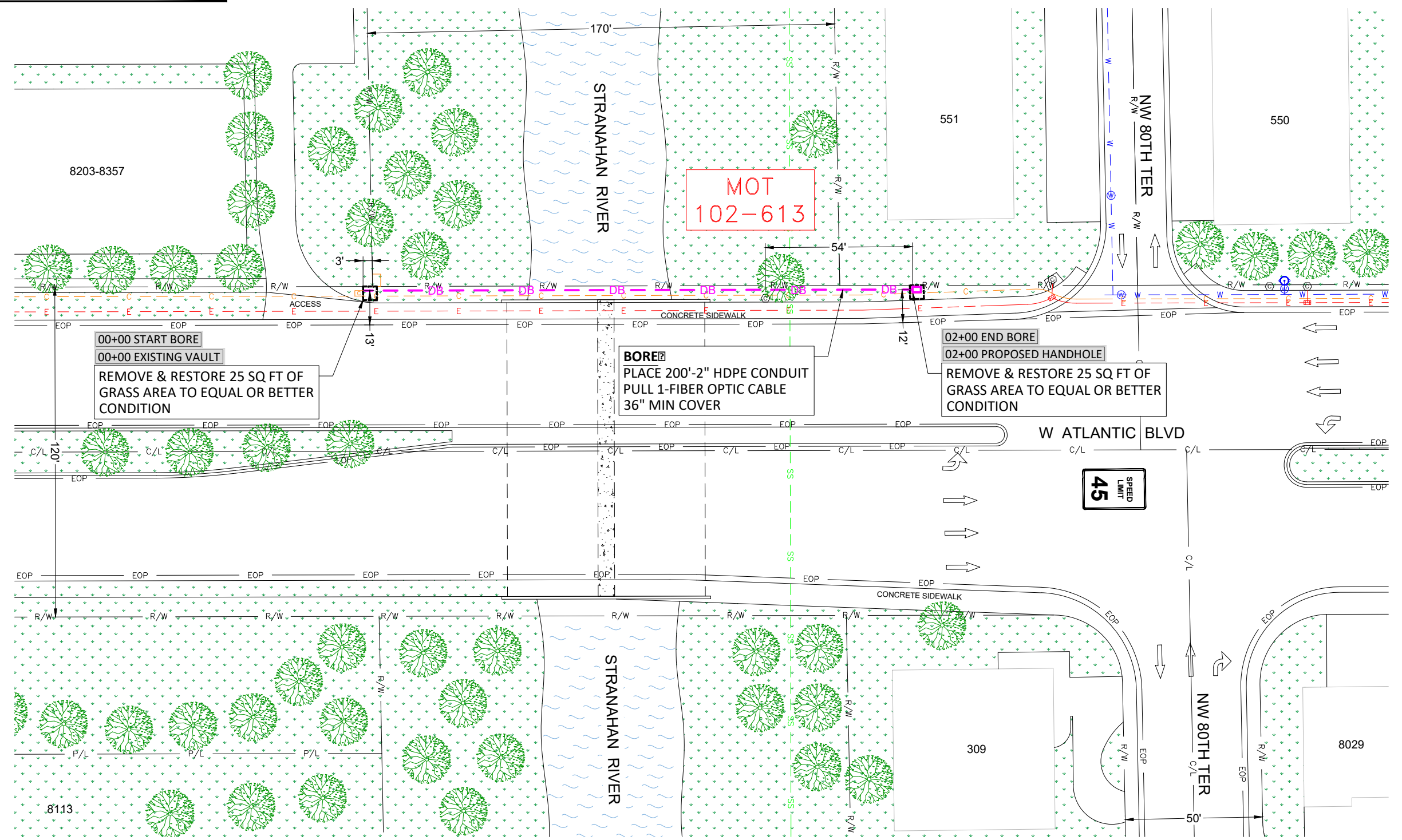
DATE SUBMITTED
03/16/2023

TWP : 48 RNG : 41 SEC : 34
PLAT BOOK : 78 PAGE : 19

UNDERGROUND CABLE CONSTRUCTION COVER SHEET

SCALE : 1"= 40'	SHEET NUMBER 01 OF 03	
FILE NAME : IB-23-087_JB0001361973-7700 NW 5TH CT_V1	LOCATION: 7700 NW 5TH CT	
DATE : 03/16/2023	PERMITTING AGENCY: SUNSHINE WATER CONTROL DISTRICT	
DRAWING : 1.0	PROJECT: METRO-E	
TRACKING # : IB-23-087_V1		
JOB # : JB0001361973		
NODE # : ---		

- GENERAL NOTES:**
- MAINTAIN MINIMUM 18" VERTICAL SEPARATION FOR CROSSING OF EXISTING UTILITIES WITH PROPOSED OPEN CUT TRENCHING.
 - MAINTAIN 24" VERTICAL SEPARATION FOR CROSSING OF EXISTING UTILITIES WITH PROPOSED BORE.



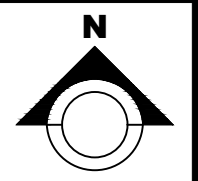
PLAN VIEW
SCALE 1"=40'



UNDERGROUND CABLE CONSTRUCTION
PLAN VIEW

SCALE :	1"= 40'
FILE NAME :	IB-23-087_JB0001361973-7700 NW 5TH CT_V1
DATE :	03/16/2023
DRAWING :	1.0
TRACKING # :	IB-23-087_V1
JOB # :	JB0001361973
NODE # :	---

SHEET NUMBER	02	OF 03
LOCATION:	7700 NW 5TH CT	
PERMITTING AGENCY:	SUNSHINE WATER CONTROL DISTRICT	
PROJECT:	METRO-E	

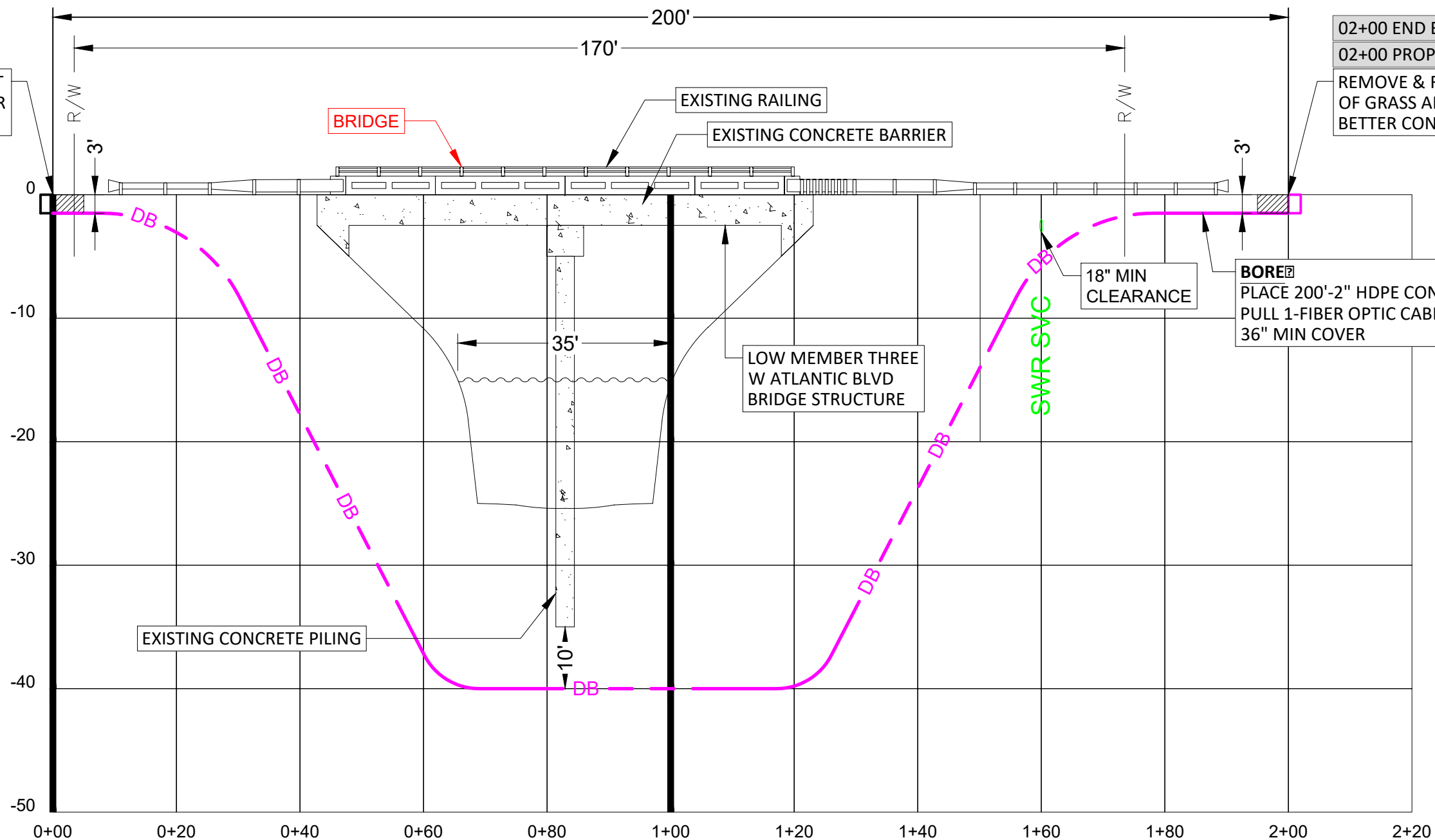


- GENERAL NOTES:**
- MAINTAIN MINIMUM 18" VERTICAL SEPARATION FOR CROSSING OF EXISTING UTILITIES WITH PROPOSED OPEN CUT TRENCHING.
 - MAINTAIN 24" VERTICAL SEPARATION FOR CROSSING OF EXISTING UTILITIES WITH PROPOSED BORE.

BRIDGE NUMBER 864048

00+00 START BORE
 00+00 EXISTING VAULT
 REMOVE & RESTORE 25 SQ FT OF GRASS AREA TO EQUAL OR BETTER CONDITION

02+00 END BORE
 02+00 PROPOSED HANDHOLE
 REMOVE & RESTORE 25 SQ FT OF GRASS AREA TO EQUAL OR BETTER CONDITION



PROFILE - 7700 NW 5TH CT

HORIZONTAL SC-LE 1"=20'
 VERTICAL SC-LE 1"=2"



UNDERGROUND CABLE CONSTRUCTION PROFILE

SC-LE :	1"=20'
FILE N- E :	IB-23-087_JB0001361973-7700 NW 5TH CT_V1
D-TE :	03/16/2023
DR- ING :	1.0
TR-CKING # :	IB-23-087_V1
JOB # :	JB0001361973
NODE # :	---

SHEET NUMBER	03	OF 03
LOC-TION:	7700 NW 5TH CT	
PERMITTING -G-ENCY:	SUNSHINE WATER CONTROL DISTRICT	
PROJECT:	METRO-E	

SHEET	TABLE OF CONTENTS
1	General Notes, TTC Tables
2	Definitions Temporary Traffic Control Devices Overhead Work Railroads Sight Distance Above Ground Hazard
3	Clear Zone Widths For Work Zones Superelevation Length Of Lane Closures Overweight/Oversize Vehicles Lane Widths High-Visibility Safety Apparel Speed Reduction Signing
4	Flagger Control Survey Work Zones Signs
5	Work Zone Sign Supports
6	Commonly Used Warning and Regulatory Signs In Work Zones
7	Manholes/Crosswalks/Joints Truck Mounted Attenuators Signals Channelizing Devices Channelizing Devices Consistency Advanced Warning Arrow Boards
8	Drop-Offs In Work Zones
9	Business Entrance Temporary Asphalt Separator
10	Channelizing Devices Notes Temporary Barrier Notes
11	Pavement Markings

GENERAL NOTES:

- This Index contains information specific to the Federal and State guidelines and standards for the preparation of traffic control plans and for the execution of traffic control in work zones, for construction and maintenance operations and utility work on highways, roads and streets on the State Highway System. Certain requirements in this Index are based on the high volume nature of State Highways. For highways, roads and streets off the State Highway System, the local agency (City/County) having jurisdiction may adopt requirements based on the minimum requirements provided in the MUTCD.
- Use this Index in accordance with the Plans and Indexes 102-601 through 102-680. Indexes 102-601 through 102-680 are Department-specific typical applications of commonly encountered situations. Adjust device location or number thereof as recommended by the Worksite Traffic Supervisor and approved by the Engineer. Devices include, but are not limited to, flaggers, portable temporary signals, signs, pavement markings, and channelizing devices. Comply with MUTCD or applicable Department criteria for any changes and document the reason for the change.
- Except for emergencies, any road closure on State Highway System must comply with Section 335.15, F.S.

Work Zone Speed (mph)	Max. Spacing (feet)			
	Cones or Temporary Tubular Markers		Type I Barricades, Type II Barricades, Vertical Panels, or Drums	
	Taper	Tangent	Taper	Tangent
≤ 45	25	50	25	50
≥ 50	25	50	50	100

Work Zone Speed (mph)	Min. Length (feet)
≤ 40	$L = \frac{WS^2}{60}$
≥ 45	$L = WS$

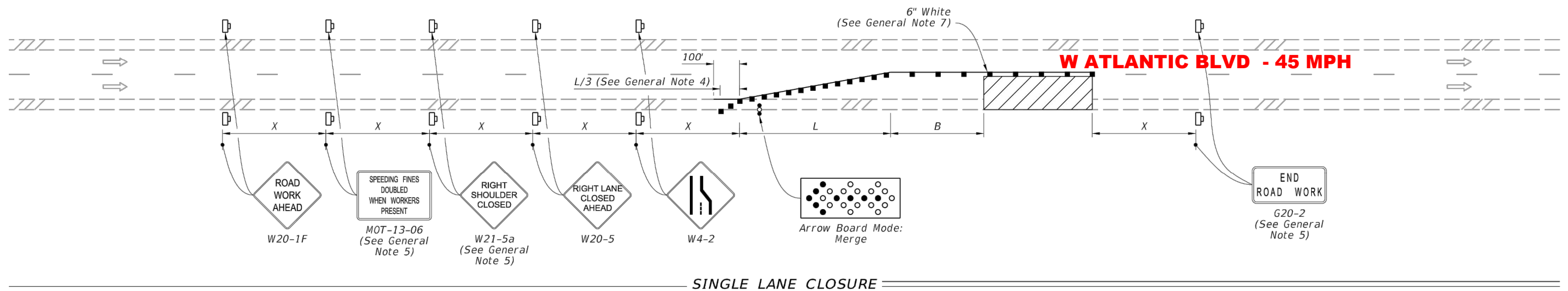
Where: W = width of offset in feet
S = speed in mph

Road Type	Min. Spacing (feet)
Arterials and Collectors with Work Zone Speed ≤ 40 mph	200
Arterials and Collectors with Work Zone Speed ≥ 45 mph	500
Limited Access Roadways *	1,500

* For Limited access roadways with work zone speed ≤ 55 mph, the minimum spacing may be reduced in accordance with the MUTCD and as approved by the Engineer.

Work Zone Speed (mph)	Min. Length (feet)
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645
70	730

Note: When Buffer Length "B" cannot be attained due to geometric constraints, use the greatest length possible, but not less than 155 feet.



SINGLE LANE CLOSURE

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Arrow Board
- Lane Identification and Direction of Traffic

GENERAL NOTE:

1. L = Taper Length
B = Buffer Length
X = Work Zone Sign Distance
See Index 102-600 for "L", "B", "X", and channelizing device spacing values.
2. On undivided highways the median signs as shown are to be omitted.
3. On limited access facilities, omit "Right Shoulder Closed" signs (W21-5a) and associated work zone sign spacing distances.
4. If the paved shoulder is less than 4' in width, omit the taper and channelizing devices from the paved shoulder.
5. The "Speeding Fines Doubled When Workers Present" signs (MOT-13-06) and "End Road Work" signs (G20-2) and "Right Shoulder Closed" (W21-5a), along with associated work zone sign distances, may be omitted when the work operation will be in place for 24 hours or less. For Single Lane Closures, arrow boards and buffer (B) may also be omitted when the work operation will be in place for 60 minutes or less and the speed limit is 45 mph or less.
6. Use inverted plan of the illustrations for work on left side of roadways.
7. Temporary pavement markings may be omitted when the work operation is in place for 3 days or less.

10:34:25 AM









2/21/2023

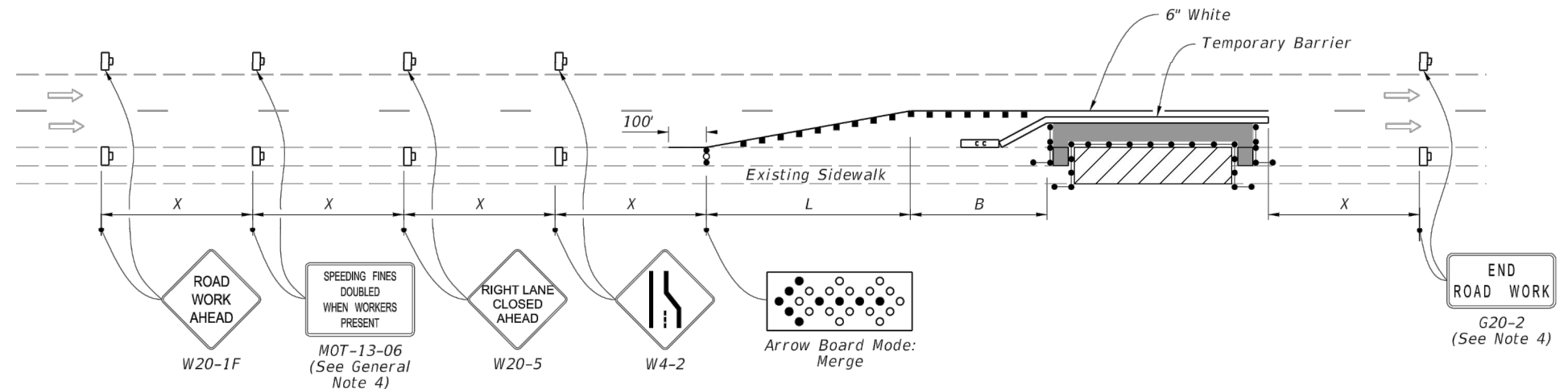
LAST REVISION 11/01/21	REVISION	DESCRIPTION:		FY 2023-24 STANDARD PLANS	MULTILANE ROADWAY, LANE CLOSURES	INDEX 102-613	SHEET 1 of 5
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NOTES:

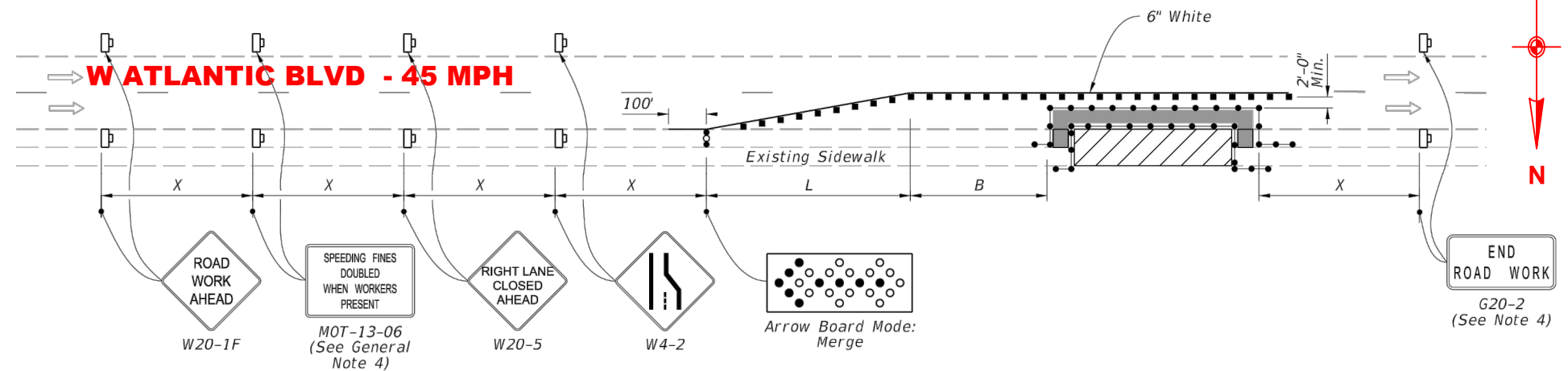
1. L = Taper Length
B = Buffer Length
X = Work Zone Sign Distance
See Index 102-600 for "L", "B", "X", channelizing device spacing values.
2. Provide a 5' wide temporary pedestrian way with a maximum cross-slope of 0.02, except where space restrictions warrant a minimum width of 4'. Provide a 5' x 5' passing space for temporary pedestrian ways less than 5' in width at intervals not to exceed 200'.
3. When temporary pedestrian ways require curb ramps, meet the requirements of Index 522-002. Detectable warnings are not required for curb ramps diverting pedestrian traffic into a closed lane.
4. The "Speeding Fines Doubled When Workers Present" signs (MOT-13-06) and "End Road Work" signs (G20-2), along with associated work zone sign distances, may be omitted when the work operation will be in place for 24 hours or less.
5. Pedestrian Diversion Option 2 may only be used when called for in the Plans or as approved by an Engineer.

SYMBOLS:

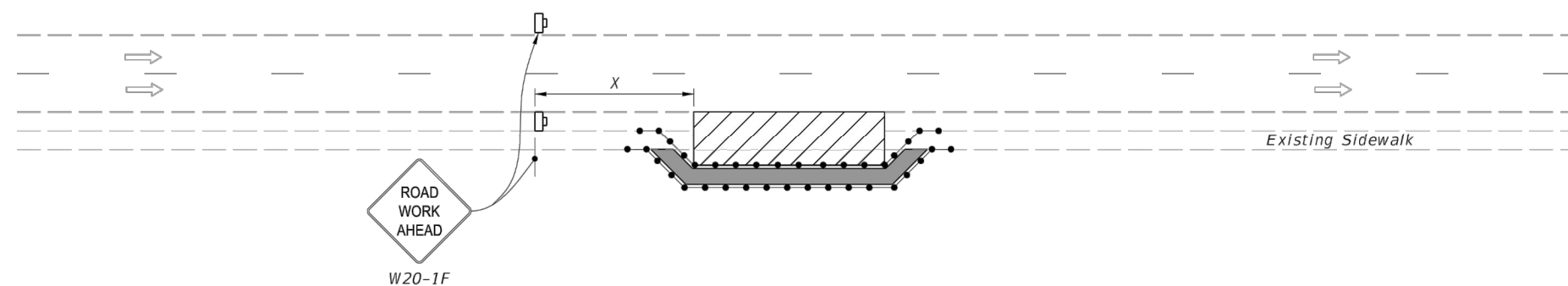
-  Work Area
-  Temporary Pedestrian Way
-  Channelizing Device (See Index 102-600)
-  Pedestrian Longitudinal Channelizing Device (LCD)
-  Work Zone Sign
-  Arrow Board
-  Crash Cushion
-  Lane Identification and Direction of Traffic



PEDESTRIAN DIVERSION - OPTION 1
(Temporary Barrier Shown, Low Profile Barrier Similar)




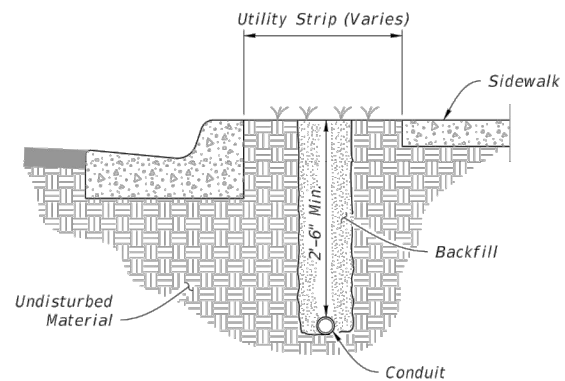
PEDESTRIAN DIVERSION - OPTION 2
(Work Zone Speed 35 mph or Less)



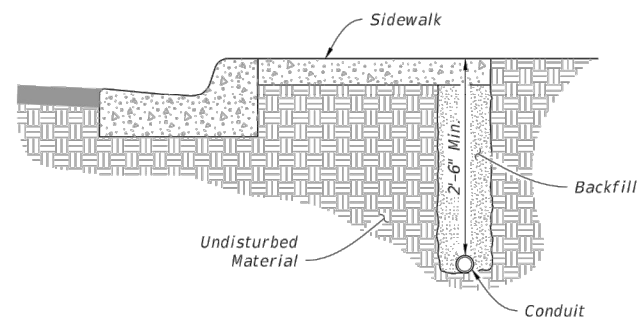
PEDESTRIAN SPECIAL DETOUR

2/21/2023 10:19:10 AM

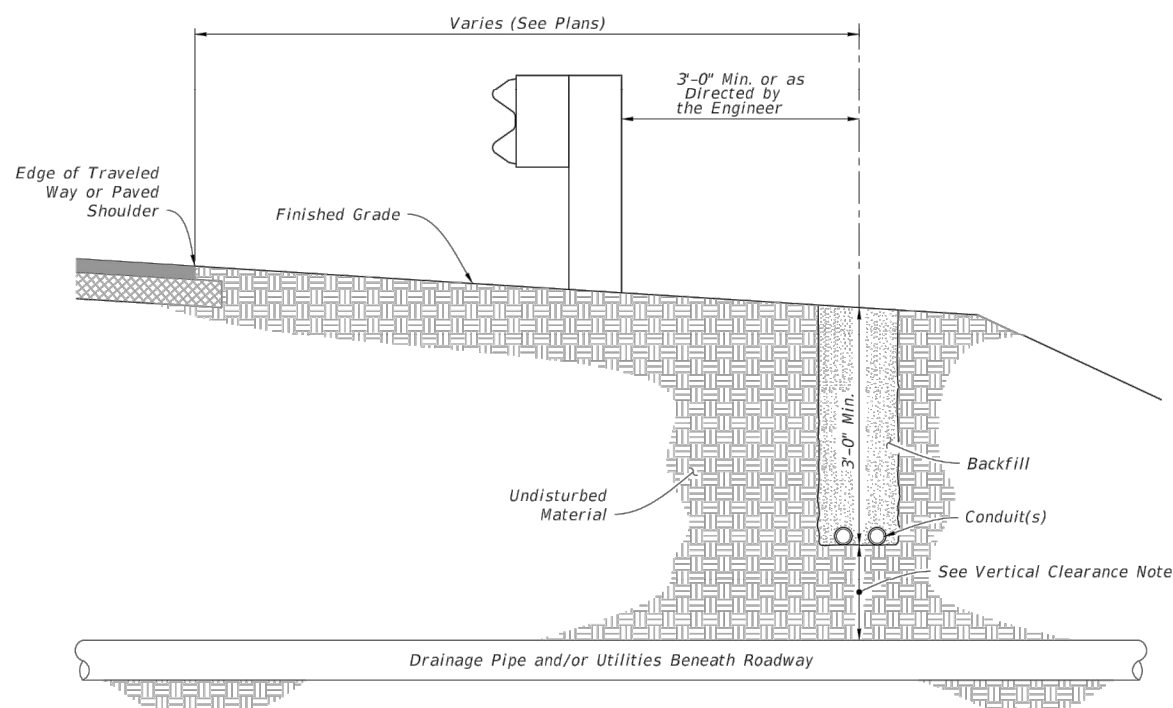
LAST REVISION 11/01/21	REVISION	DESCRIPTION:	 FY 2023-24 STANDARD PLANS	SIDEWALK CLOSURE	INDEX 102-660	SHEET 2 of 2
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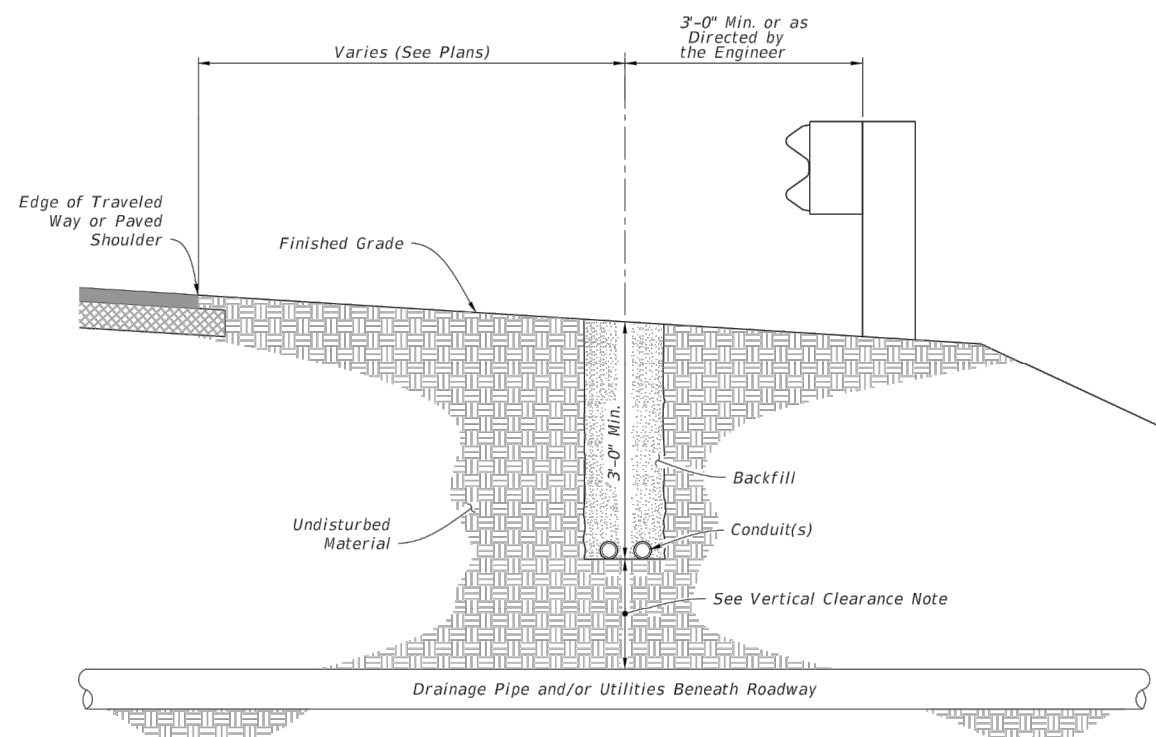
PLACEMENT WITHIN THE UTILITY STRIP



PLACEMENT UNDER SIDEWALK



PLACEMENT BEHIND GUARDRAIL



PLACEMENT IN FRONT OF GUARDRAIL

VERTICAL CLEARANCE NOTE:
 Maintain 1'-0" minimum vertical clearance when crossing over pipe and or utilities.
 If minimum vertical clearance cannot be maintained, conduit is to be routed under pipe maintaining 1'-0" minimum vertical clearance.

10/6/2022 2:28:39 PM

REVISION	DESCRIPTION:
LAST REVISION 11/01/18	

FDOT FY 2023-24
STANDARD PLANS

CONDUIT INSTALLATION DETAILS

INDEX SHEET
630-001 2 of 4



DETAIL 630-001

SC-LE :	1"= 40'	SHEET NUMBER	630-001
FILE N-WE :	IB-23-087_JB0001361973-7700 NW 5TH CT_V1	LOC-TION:	7700 NW 5TH CT
D-TE :	03/16/2023	PERMITTING -GENCY:	SUNSHINE WATER CONTROL DISTRICT
DR- ING :	1.0	PROJECT:	METRO-E
TR-CKING # :	IB-23-087_V1		
JOB # :	JB0001361973		
NODE # :	--		



May 31, 2023

Board of Supervisors
Sunshine Water Control District
2300 Glades Road, Suite 410W
Boca Raton, Florida 33073

**RE: SWCD RIGHT-OF-WAY (ROW) PERMIT APPLICATION – Bridge Deck Repair at Riverside Drive Bridge
Broward County Board of County Commissioners (BCBOCC)
Project Site: West Outfall Canal/Riverside Drive Bridge
CAS PROJECT NO. 15-1826**

Dear Board of Supervisors:

We have reviewed a ROW permit application submitted by FG Construction Services, LLC on behalf of the BCBOCC for the proposed repair work at the bridge over the West Outfall Canal. No work is proposed in the canal but work platforms are needed to work under the bridge deck. The applicant has met SWCD applicable criteria and we recommend that the SWCD Board of Supervisors issue a Right-of-Way Permit to the applicant, subject to the following Special Conditions to be made part of the Permit:

1. All work must be in compliance with the latest SWCD Permit Criteria Manual.
2. Permittee will ensure that all necessary Sediment & Erosion Control devices will be utilized at the SWCD right-of-way during construction.
3. Trash bond (\$2,500) shall be submitted prior to permit issuance and the Contractor shall repair and replace any SWCD facilities damaged during construction at no cost to the District.
4. A copy of Record As-builts and Engineer Certification shall be provided to SWCD upon completion of all work.
5. All applicable permits and approvals for Work shall be obtained.
6. All disturbed areas are to be restored.
7. SWCD shall be notified at least 48 hours prior to construction.
8. In the event of a reasonably forecasted severe storm event, all material/equipment shall be removed from the canal right-of-way so as to not impede flow conditions within the West Outfall Canal during SWCD pumping operations.

Sincerely,

CRAIG A. SMITH & ASSOCIATES

Orlando A. Rubio, PE
VP of Stormwater Engineering
Enclosures: Engineering Plans

cc: SWCD – Cory Selchan, Field Superintendent (via e-mail)
WHA - Cindy Cerbone, Jamie Sanchez, Gianna Denofrio (via e-mail)
CAS – Stephen C. Smith, PE, (via e-mail)

\\cas-file\Projects\Districts\Sunshine_Water_Control\19-2064-1CP-SWCD Non recovery\01-RIGHT-OF-WAY\2023\15-1826-BC-RSDBrdgeRepair\04-Correspondence\02-Letters\SWCD-RSD-Bridge_2023-05-30.docx



561.314.4445



21045 Commercial Trail
Boca Raton, FL 33486



www.craigasmith.com

PUBLIC WORKS DEPARTMENT
HIGHWAY AND BRIDGE MAINTENANCE DIVISION

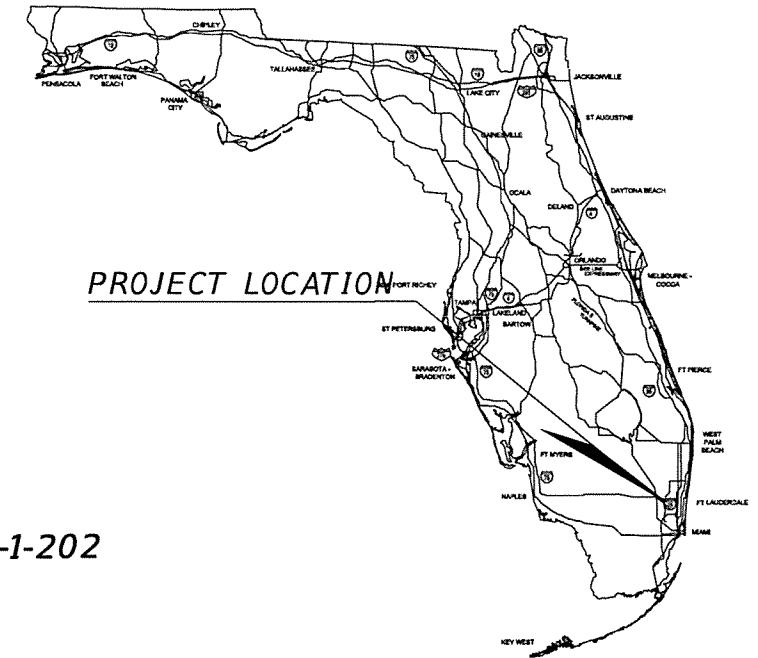
BROWARD COUNTY BOARD OF COUNTY COMMISSIONERS
 MARK D. BOGEN LAMAR P. FISHER BEAM FURR STEVE GELLER ROBERT MCKINZIE
 NAN H. RICH HAZELLE P. ROGERS TIM RYAN MICHAEL UDINE

CONTRACT PLANS

RIVERSIDE DR BRIDGE OVER W OUTFALL DRAINAGE CANAL

(Bridge No. 864009)

HIGHWAY AND BRIDGE MAINTENANCE DIVISION PROJECT NO. 2022-1-202

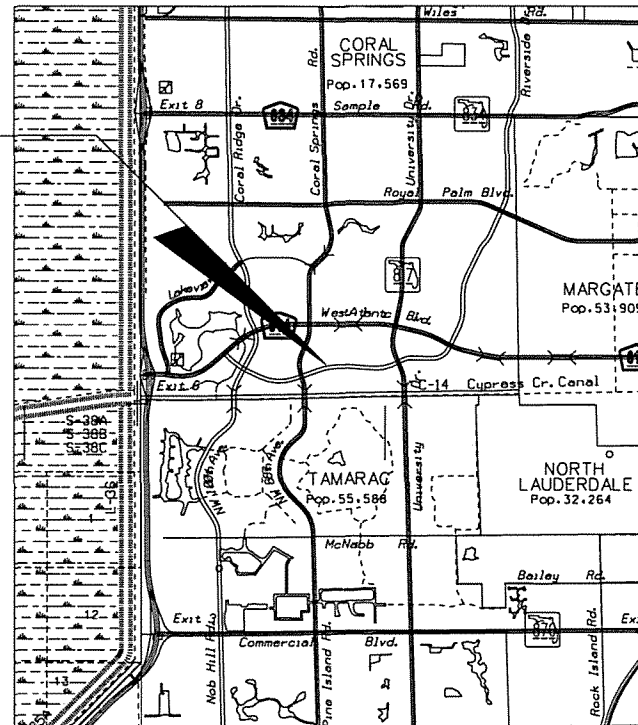


INDEX OF BRIDGE PLANS

SHEET NO.	SHEET DESCRIPTION
1.	COVER SHEET
2.	GENERAL NOTES
3.	QUANTITIES & MATERIAL NOTES
4.	BRIDGE PLAN AND ELEVATION
5.	PRESTRESSED SLAB UNIT LAYOUT
6.	ROADWAY CONSTRUCTION SEQUENCE
7.	UNDER DECK STRENGTHENING PROCEDURE
8.	DECK WATERPROOFING PROCEDURE
9.	CONSTRUCTION DETAILS I
10.	CONSTRUCTION DETAILS II
11.	ROADWAY PLAN

FDOT INDEX 102-100	TEMPORARY BARRIER
FDOT INDEX 102-603	TWO-LANE, TWO-WAY, WORK WITHIN THE TRAVEL WAY
FDOT INDEX 536-001	GUARDRAIL
FDOT INDEX 521-404	GUARDRAIL TRANSITIONS - EXISTING POST AND BEAM BRIDGE RAILINGS (NARROW AND RECESSED CURBS)

PROJECT LOCATION



TO ATLANTIC OCEAN

PLANS PREPARED BY:
 BROWARD COUNTY PUBLIC WORKS
 HIGHWAY AND BRIDGE MAINTENANCE DIVISION
 1600 BLOUNT ROAD, POMPANO BEACH, FL 33069



NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION.

GOVERNING STANDARDS AND SPECIFICATIONS:
 FLORIDA DEPARTMENT OF TRANSPORTATION,
 DESIGN STANDARDS DATED 2022-2023,
 AND STANDARD SPECIFICATIONS FOR ROAD AND
 BRIDGE CONSTRUCTION DATED 2023,
 AS AMENDED BY CONTRACT DOCUMENTS.

REVISIONS
 HBMD PROJECT 2022-1-202

April 7, 2023

LENGTH OF PROJECT		
	LINEAR FEET	MILES
BRIDGE LENGTH	71	0.01344
NET LENGTH OF PROJECT	150	0.02841
EXCEPTIONS	-	-
GROSS LENGTH OF PROJECT	150	0.02841

KEY SHEET REVISIONS	
DATE	DESCRIPTION

FISCAL YEAR	SHEET NO.
23	1

STANDARDS/SPECIFICATIONS:

1. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 9TH EDITION, 2020.
2. FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, JANUARY 2023.
3. FDOT STANDARD PLANS FOR BRIDGE CONSTRUCTION, MAY 2023-24.
4. FHWA BRIDGE MAINTENANCE REFERENCE MANUAL, MAY 2015.
5. FDOT BRIDGE LOAD RATING MANUAL, JANUARY 2023.

GENERAL NOTES:

1. UNLESS OTHERWISE NOTED IN THE TECHNICAL SPECIFICATIONS: INSTALLATION, ACCEPTANCE, AND PAYMENT FOR ALL ITEMS REQUIRED IN THESE PLANS SHALL BE IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING: MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (STANDARD SPECIFICATIONS), FDOT ROADWAY DESIGN STANDARD (STANDARD INDEXES), BROWARD COUNTY MINIMUM STANDARDS, BROWARD COUNTY TRAFFIC ENGINEERING DIVISION STANDARDS AND SPECIFICATIONS, AND ANY OR ALL BROWARD COUNTY REQUIREMENTS THAT MEET OR EXCEED THOSE FOUND IN THE ABOVE REFERENCED DOCUMENTS.
2. EXISTING DRAINAGE STRUCTURES (SCUPPERS, CURB & GUTTERS) WITHIN CONSTRUCTION LIMITS SHALL REMAIN.
3. PORTION OF UTILITIES MAY EXTEND INTO THE CONSTRUCTION ZONE. EXTREME CAUTION WILL BE NECESSARY DURING WORK AT THESE LOCATIONS.
4. ALL STORM LINES AND INLETS AFFECTED BY CONSTRUCTION OR WITHIN CONSTRUCTION LIMITS SHALL BE CLEANED OF DEBRIS BEFORE CONTRACT CLOSEOUT.
5. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING PROPER DRAINAGE AND GUTTER FLOW LINE WITHIN CONSTRUCTION LIMITS.
6. EROSION AND SEDIMENTATION CONTROL PROTECTION SHALL BE PROVIDED AT ALL INLETS IMPACTED BY THE PROJECT AND BE REMOVED AT THE END OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS OF SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD) AND FDPE (NPDES). SEDIMENT BARRIER TO BE PLACED NEXT TO THE CANAL.
7. THE EXACT LOCATION OF EXISTING UTILITIES SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR PRIOR TO BEGINNING ACTUAL CONSTRUCTION. SHOULD THERE BE UTILITY CONFLICTS, THE CONTRACTOR SHALL INFORM THE COUNTY PROJECT ENGINEER AND NOTIFY THE RESPECTIVE UTILITY OWNER TO RESOLVE ANY ADJUSTMENTS. ANY DAMAGES TO EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, SHALL BE REPAIRED BY THE CONTRACTOR AT ITS OWN EXPENSE.
8. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN INSTALLING AND BACKFILLING AROUND EXISTING UTILITIES.
9. THE CONTRACTOR SHALL NOTIFY UTILITY OWNERS A MINIMUM OF 48 HOURS IN ADVANCE OF BEGINNING CONSTRUCTION ON JOB SITES.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND RESTORATION OF EXISTING PAVEMENT, UTILITIES, LANDSCAPE AREAS, AND ANY OTHER DAMAGED INFRASTRUCTURE AS A RESULT OF THE CONTRACTOR'S OPERATIONS. REPAIRS AND RESTORATION SHALL BE TO ORIGINAL CONDITION OR BETTER AT NO ADDITIONAL COST TO THE COUNTY.
11. THE CONTRACTOR SHALL NOT BRING ANY HAZARDOUS MATERIALS ONTO THE PROJECT. SHOULD THE CONTRACTOR REQUIRE SUCH FOR PERFORMING THE CONTRACTED WORK, THE CONTRACTOR SHALL REQUEST, IN WRITING, WRITTEN PERMISSION FROM THE COUNTY PROJECT ENGINEER. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A COPY OF THE MATERIAL SAFETY DATA SHEET (MSDS) FOR EACH HAZARDOUS MATERIAL PROPOSED FOR USE. THE COUNTY PROJECT ENGINEER SHALL ISSUE WRITTEN APPROVAL TO THE CONTRACTOR. BECAUSE STATE LAW DOES NOT TREAT PETROLEUM PRODUCTS THAT ARE PROPERLY CONTAINERIZED AND INTENDED FOR EQUIPMENT USE AS A HAZARDOUS MATERIAL, SUCH PRODUCTS DO NOT NEED A MSDS SUBMITTAL.
12. ANY KNOWN OR SUSPECTED HAZARDOUS MATERIAL FOUND ON THE PROJECT BY THE CONTRACTOR SHALL BE IMMEDIATELY REPORTED TO THE COUNTY PROJECT ENGINEER, WHO SHALL DIRECT THE CONTRACTOR TO PROTECT THE AREA OF KNOWN OR SUSPECTED CONTAMINATION FROM FURTHER ACCESS. THE COUNTY PROJECT ENGINEER WILL ARRANGE FOR INVESTIGATION, IDENTIFICATION, AND REMEDIATION OF THE HAZARDOUS MATERIAL. THE CONTRACTOR SHALL NOT RETURN TO THE AREA OF CONTAMINATION UNTIL APPROVAL IS PROVIDED BY THE COUNTY PROJECT ENGINEER. NOTE THAT EXISTING BRIDGE BEARINGS INCLUDE ASBESTOS, HOWEVER, THE SCOPE OF WORK INCLUDED IN THESE PLANS DOES NOT INCLUDE ANY WORK IN CLOSE VICINITY OF THE BEARINGS.
13. ANY SURVEY MONUMENT WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF ANY CONFLICT IS ENCOUNTERED, THE CONTRACTOR SHALL NOTIFY: BROWARD COUNTY HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION
ONE N. UNIVERSITY DRIVE, SUITE 300B
PLANTATION, FLORIDA 33324-2038
PHONE: (954) 577-4555
14. ALL PERMANENT GRASS AREAS DAMAGED DURING CONSTRUCTION ARE TO RECEIVE A 2-IN TOP SOIL AND SOD TO MATCH EXISTING.
15. ALL TREES, BUSHES OR VEGETATION REMAIN UNLESS OTHERWISE NOTED.
16. THE MAINTENANCE OF TRAFFIC (MOT) FOR THIS PROJECT SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS; THE STATE OF FLORIDA MANUAL OF ROADWAYS & TRAFFIC DESIGN STANDARDS; 600 SERIES INDEX OF THE FDOT DESIGN STANDARDS CURRENT EDITION, AND THE BROWARD COUNTY TRAFFIC ENGINEERING REQUIREMENTS. THE CONTRACTOR SHALL SUBMIT MOT PLANS, APPLICABLE TO THE WORK AREAS FOR THE ROADWAY AND THE SIDEWALK, TO HIGHWAY AND BRIDGE MAINTENANCE DIVISION FOR REVIEW AND APPROVAL.
17. THE CONTRACTOR SHALL HAVE ON-SITE AND AVAILABLE FOR IMMEDIATE REFERENCE, IF REQUESTED: MOT PLANS, MOT PERMIT, PROJECT PLANS, CONTACT INFORMATION FOR PRIME CONTRACTOR (IF SUB-CONTRACTOR), COUNTY PROJECT MANAGER, AND COPY OF PRE-CONSTRUCTION CHECKLIST.
18. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES AND DRIVEWAYS AT ALL TIMES AS APPROVED BY THE COUNTY, AND THE COUNTY PROJECT ENGINEER.
19. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE CURRENT EDITION OF BROWARD COUNTY ENGINEERING DIVISION MINIMUM STANDARDS, FDOT ROADWAY DESIGN STANDARDS, AND FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
20. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONCRETE FINISH. SURFACES MUST COMPLY WITH REQUIREMENTS DESCRIBED IN FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
21. PAVEMENT MARKINGS SHALL BE ALKYD BASED THERMOPLASTIC AND FULLY RETROREFLECTORIZED WITH UNIFORM REFLECTIVITY AND REFLECTIVE BEADS ACROSS THE ENTIRE STRIPE RESULTING IN A MINIMUM READING OF 250 MILLICANDELAS FOR WHITE STRIPING.
22. ANY DAMAGED PAVEMENT MARKINGS DUE TO CONSTRUCTION SHALL BE REPLACED AT CONTRACTORS EXPENSE.
23. THE MILLED SURFACE SHALL NOT BE EXPOSED TO TRAFFIC.
24. ALL PAVEMENT MARKINGS SHALL CONFORM TO BROWARD COUNTY TRAFFIC ENGINEERING "PAVEMENT MARKINGS AND SIGN DETAILS".
25. A MAINTENANCE OF TRAFFIC PLAN MUST BE SUBMITTED AND RECEIVE APPROVAL FROM HBMD PRIOR TO STARTING WORK.
26. DURING WORK WITHIN THE TRAVELED WAY, ONE-WAY TRAFFIC CONTROL MUST BE PROVIDED.
27. PAVEMENT MARKINGS SHALL BE RESTORED PRIOR TO REOPENING TO TRAFFIC.
28. LIMITS OF MILLING & RESURFACING SHALL BE MARKED DURING THE FIELD REVIEW WITH CONTRACTOR.
29. MILLINGS SHALL NOT BE STORED WITHIN THE PROJECT LIMITS, NOR ON COUNTY RIGHT OF WAY.
30. PAVING MARKINGS SHALL BE WORKED WITH BROWARD COUNTY TRAFFIC ENGINEERING - PAVEMENT MARKINGS AND SIGNS DETAIL SHEET.
31. PRIOR TO COMMENCEMENT OF WORK ON THE UNDERSIDE OF THE BRIDGE, THE CONTRACTOR SHALL OBTAIN A ROW OCCUPANCY PERMIT FROM THE SUNSHINE WATER CONTROL DISTRICT (SWCD).

BRIDGE NO. 864009

REVISIONS						BRIDGE REPAIRS		RIVERSIDE DR BRIDGE OVER W OUTFALL DRAINAGE CANAL	SHEET NO.
DATE	NO.	REMARKS	BY	DATE		ROAD	HBMD PROJ. NO.		
						RIVERSIDE DR	2022-1-202	GENERAL NOTES	2

PAY ITEM QUANTITIES - BRIDGE 864009			
Item No.	Description	Quantity	Unit
1	FDOT PAY ITEM 101-1: MOBILIZATION, NIGHT WORK	1	EACH
5	FDOT PAY ITEM 102-14: TRAFFIC CONTROL OFFICER	128	HOURLY
6	FDOT PAY ITEM 102-60: WORK ZONE SIGNS, F & I	260	DAY
10	FDOT PAY ITEM 102-71-1B: BARRIER WALL, TEMPORARY, F&I, WATERFILLED, UP TO 30 DAYS	150	LINEAR FOOT
13	FDOT PAY ITEM 102-71-2B: BARRIER WALL, TEMPORARY, RELOCATE, WATERFILLED	150	LINEAR FOOT
16	FDOT PAY ITEM 102-74-1: CHANNELIZING DEVICE, TYPES I, II, DI, VP, DRUM, OR LCD, F & I	1588	DAY
18	FDOT PAY ITEM 102-74-6: CHANNELIZING DEVICE-PEDESTRIAN LCD (LONGITUDINAL CHANNELIZING DEVICE), F & I	40	DAY
26	FDOT PAY ITEM 102-99: PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY, F & I	236	DAY
32	FDOT PAY ITEM N/A: FDOT CERTIFIED FLAG PERSON	480	HOURLY
36	FDOT PAY ITEM 104-11: FLOATING TURBIDITY BARRIER	200	LINEAR FOOT
45	FDOT PAY ITEM 110-3-5: REMOVAL OF EXISTING BRIDGE JOINT	109	LINEAR FOOT
46	FDOT PAY ITEM 110-3-6: REMOVAL OF EXISTING BRIDGE CONCRETE TRAFFIC BARRIER,	27	LINEAR FOOT
49	FDOT PAY ITEM 110-4-10A: REMOVAL OF EXISTING CONCRETE-SIDEWALK, PAVEMENT OR SLOPE PAVEMENT ANY THICKNESS	140	SQUARE YARD
69	FDOT PAY ITEM 173-76: GROUT PIPE INSTALLATION UP TO 4 IN. INSIDE DIA	3	LINEAR FOOT
77	FDOT PAY ITEM 327-70-1: MILLING EXIST ASPH PAVT, 1 AVG DEPTH, AREA	211	SQUARE YARD
78	FDOT PAY ITEM 327-70-4: MILLING EXIST ASPH PAVT, 3 IN AVG DEPTH	226	SQUARE YARD
88	FDOT PAY ITEM 334-1-52, 334-1-53, 334-1-54, OR 334-1-55: SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC B, C, D, OR E, PG 76-22	25	TONS
89	FDOT PAY ITEM 337-7-80, 337-7-81, 337-7-82, 337-7-83, 337-7-85, OR 337-7-88: ASPHALT CONCRETE FRICTION COURSE, TRAFFIC B, C, D, OR E, FC-9.5, FC-12.5 PG 76-22	24	TONS
91	FDOT PAY ITEM 339-1: MISCELLANEOUS ASPHALT PAVEMENT	12	TONS
99	FDOT ITEM # N/A: PAVEMENT WATERPROOFING FABRIC	4405	SQUARE FOOT
129	FDOT PAY ITEM N/A: STAINLESS STEEL DOWEL (LF)	719	LINEAR FOOT
153	FDOT PAY ITEM 400-143B: CLEANING AND COATING CONCRETE SURFACE, CLASS 5, EQUAL OR GREATER THAN 500 SF	147	SQUARE FOOT
158	FDOT PAY ITEM 400-148: PLAIN NEOPRENE BEARING PADS	2	CUBIC FOOT
160	FDOT PAY ITEM 401-70-1B: RESTORE SPALLED AREAS, STRUCTURES, TYPE F-1 EPOXY	7	CUBIC FOOT
162	FDOT PAY ITEM 411-1: EPOXY MATERIAL FOR CRACK INJECTION-STRUCTURES REHAB	2	GALLON
163	FDOT PAY ITEM 411-2: CRACKS INJECT AND SEAL-STRUCTURES REHAB	10	LINEAR FOOT

PAY ITEM QUANTITIES - BRIDGE 864009			
Item No.	Description	Quantity	Unit
165	FDOT PAY ITEM # 413-154A: CLEANING AND SEALING CONCRETE SURFACES: METHACRYLATES, EQUAL OR GREATER THAN 500 SF	2368	SQUARE FOOT
188	FDOT PAY ITEM 458-1-21A: BRIDGE DECK EXPANSION JOINT, REHABILITATION, POURED JOINT WITH BACKER ROD (TYPE D SILICONE)	109	LINEAR FOOT
192	FDOT PAY ITEM 458-2: POLYMER NOSING (XJS SYSTEMS) FOR BRIDGE DECK EXPANSION JOINT WITH POURED JOINT WITH BACKER ROD	22	CUBIC FOOT
227	FDOT PAY ITEM N/A: CARBON FIBER REINFORCED POLYMER (CFRP) LAMINATE FOR STRUCTURES OVER WATER	873	SQUARE FOOT
232	FDOT PAY ITEM 515-4-2: BULLET RAILINGS, DOUBLE RAIL	71	LINEAR FOOT
244	FDOT PAY ITEM 522-2A: CONCRETE SIDEWALK AND DRIVEWAYS, 6 IN THICK	127	SQUARE YARD
263	FDOT PAY ITEM 521-5-4: CONCRETE TRAFFIC RAILING, BRIDGE, 32 IN., VERTICAL FACE	27	LINEAR FOOT
293	FDOT PAY ITEM 530-74: BEDDING STONE	17	TONS
299	FDOT PAY ITEM 536-1-0: GUARDRAIL-ROADWAY, GENERAL TL-2	172	LINEAR FOOT
302	FDOT PAY ITEM 536-1-5: GUARDRAIL, ROADWAY, THRIE BEAM	125	LINEAR FOOT
308	FDOT PAY ITEM 536-6: PIPE RAIL FOR GUARDRAIL	51	LINEAR FOOT
309	FDOT PAY ITEM 536-7-A: SPECIAL GUARDRAIL POST	10	EACH
310	FDOT PAY ITEM 536-8: GUARDRAIL-BRIDGE ANCHORAGE ASSEMBLY	4	EACH
311	FDOT PAY ITEM 536-73: GUARDRAIL REMOVAL	60	LINEAR FOOT
317	FDOT PAY ITEM 536-85-24: GUARDRAIL END TREATMENT-PARALLEL APPROACH TERMINAL	4	EACH
358	FDOT PAY ITEM 570-1-2: PERFORMANCE TURF, SOD	67	SQUARE YARD
374	FDOT PAY ITEM 706-1-1: RETRO-REFLECTIVE PAVEMENT MARKERS	9	EACH
375	FDOT PAY ITEM 710-11-101, 710-11-201, OR 710-11-421: PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, YELLOW, OR BLUE, SOLID, 6 IN	600	LINEAR FOOT
385	FDOT PAY ITEM 711-16-101 OR 711-16-201: THERMOPLASTIC, STANDARD, WHITE OR YELLOW, SOLID, 6 IN	600	LINEAR FOOT
415	FDOT PAY ITEM N/A: WORK SKIFF	36	DAY
417	FDOT PAY ITEM N/A: LIGHTWEIGHT CANAL WORK PLATFORM-5FT x 8FT	112	DAY
422	FDOT PAY ITEM N/A: SCAFFOLDING	7	DAY
430	FDOT PAY ITEM N/A: PORTABLE TOILET, SINGLE STALL	15	WEEK
431	FDOT PAY ITEM N/A: LIGHT TOWER, AMIDA/TEREX AL4000 OR EQUIVALENT	16	DAY
437	Pass-thru: Permits and Fees	1	EACH

MATERIAL NOTES

CFRP LAMINATES:

Carbon Fiber Fabric	Renewwrap EST CF600	Sikawrap Hex 103C	Tyfo SCH-41
Laminating Epoxy	Renewwrap ESR Saturant	Sikadur Hex 300	Tyfo S
UV Coating	Sikagard 670 W (Gray Color)	Sikagard 670 W (Gray Color)	Tyfo A Paint

MATERIALS AND INSTALLATION SHALL CONFORM TO THE TECHNICAL SPECIAL PROVISIONS (TSP) T100 AND NCHRP 609 ATTACHMENT A. BOTH FIBER AND EPOXY MUST COME FROM THE SAME MANUFACTURER.

1 PLY CFRP LAMINATE QUANTITY			
LENGTH (FT.)	WIDTH (FT.)	No. OF Laminates	QUANTITY (SQFT.)
8.41667	2.0000	8	134.667
10.3333	2.0000	20	413.333
8.125	2.0000	20	325
Total CFRP Quantities			873

CONCRETE PATCHING:

Material Type	Compressive Strength, PSI		
	1 Day	7 Days	28 Days
Planitop XS	3000	4000	5000
MasterEmaco S 440C1	2500	5300	6500
Sika-Repair 223	3500	6000	7500

DOWEL STEEL BAR:

DOWEL STEEL BARS SHALL BE GRADE 60 IN ACCORDANCE WITH ASTM A955/A955M-20 STANDARD SPECIFICATIONS FOR DEFORMED STAINLESS STEEL BARS FOR CONCRETE REINFORCEMENT.

SS. DOWEL BAR QUANTITY					
	BAR SIZE	LENGTH (FT.)	No. OF BARS	QUANTITY (FT.)	TYPE
	6A1	#6	8.125	40	325 STRAIGHT
	6A2	#6	9.750	20	195 STRAIGHT
	6A3	#6	9.917	20	198.333 STRAIGHT
Total Bar Quantities				718	

EPOXY:

HORIZONTAL & VERTICAL	OVERHEAD	UNDERWATER
Dayton Superior Sure Anchor I J51	Sikadur 31 Hi-Mod Gel	Pilgrim Magmalflo Type K
ET-HP Epoxy	Dural 452 Gel	Simpson FX-225
Pilgrim RS-600		Euco Tremie Grout

WATERPROOFING MEMBRANE:

WATERPROOFING MEMBRANE SHALL CONFORM WITH FDOT SPECIFICATION SECTION 518 "PAVEMENT WATERPROOFING FABRIC" DATED 2000, LOCATED AT: <https://www.fdot.gov/docs/default-source/programmanagement/Implemented/SpecBooks/2000/Files/2000Book.pdf> AND MANUFACTURER'S SPECIFICATION.

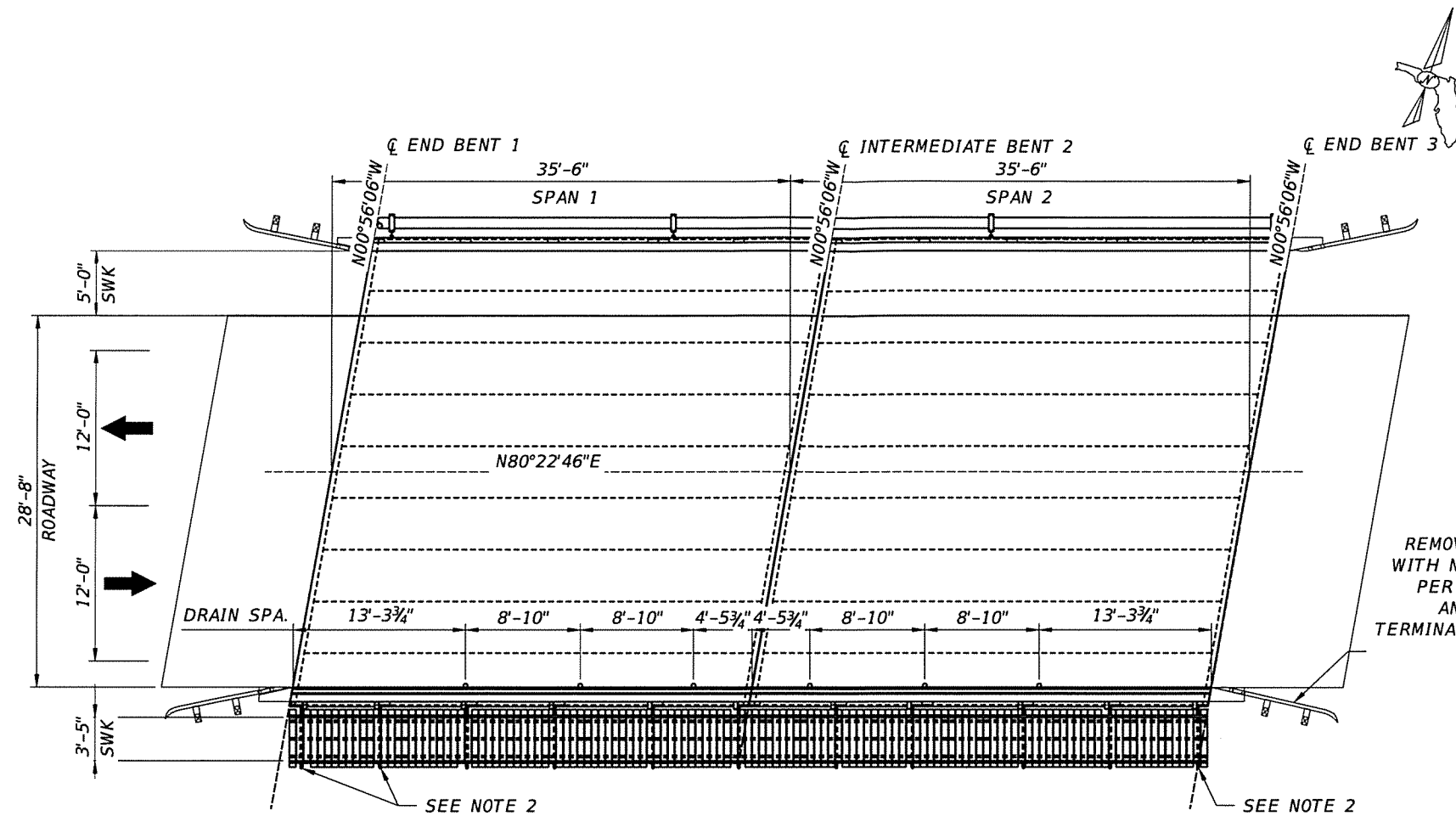
Waterproofing Membrane	Polyguard NW-75
	Crafco PavePrep SA CRA
	MEL-DEK SealTight

BRIDGE NO. 864009

REVISIONS				
DATE	NO.	REMARKS	BY	DATE

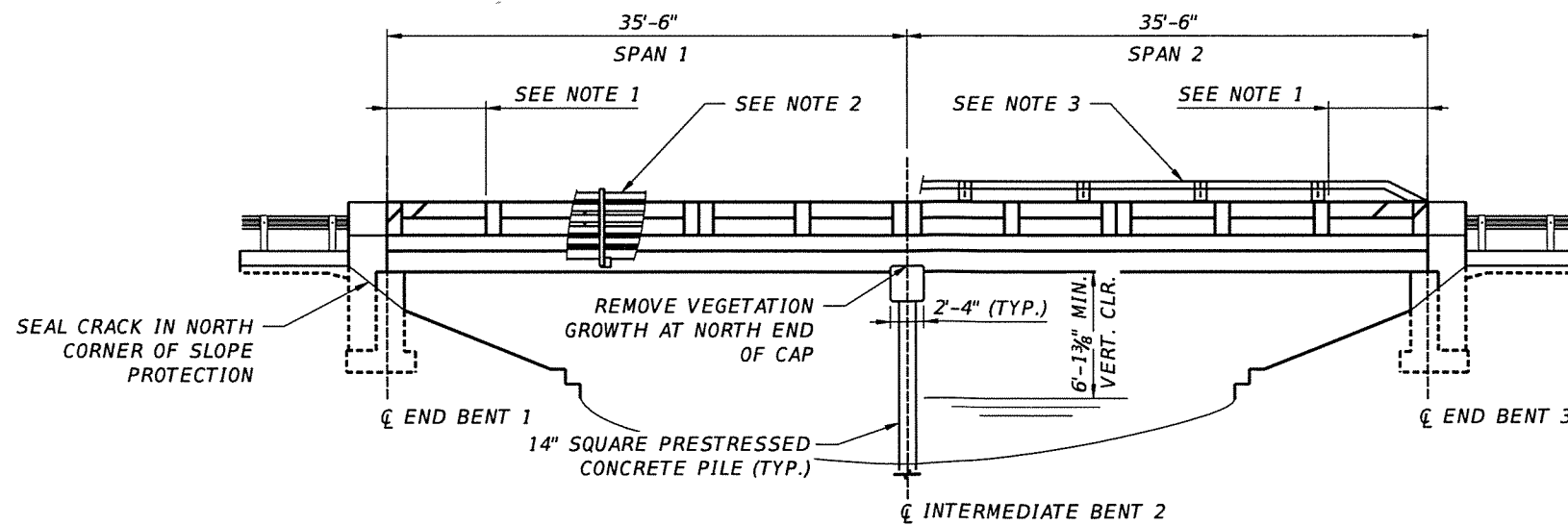


BRIDGE REPAIRS		RIVERSIDE DR BRIDGE OVER W OUTFALL DRAINAGE CANAL	SHEET NO.
ROAD	HBMD PROJ. NO.		
RIVERSIDE DR	2022-1-202	QUANTITIES AND MATERIAL NOTES	3



PLAN

REMOVE EXISTING GUARDRAIL AND REPLACE WITH NEW APPROACH GUARDRAIL TRANSITION PER FDOT INDEX 521-404 SCHEMES 2 & 4 AND INSTALL NEW APPROACH GUARDRAIL TERMINAL ASSEMBLY PER FDOT INDEX 536-001 TL-2. (TYP. ALL 4 BRIDGE CORNERS)



ELEVATION

NOTES:

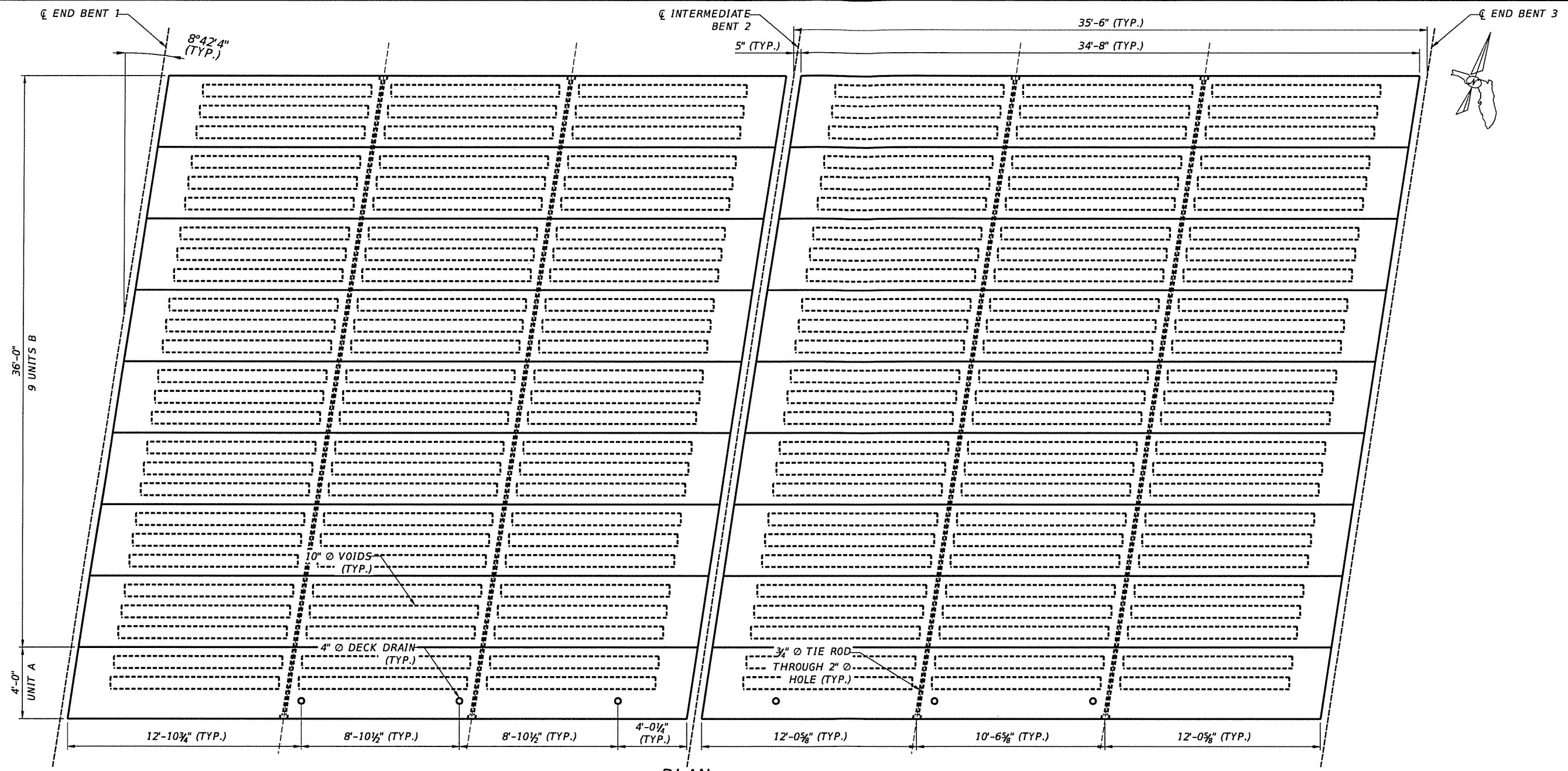
1. REMOVE PORTION OF EXISTING POST AND BEAM RAILING AND REPLACE WITH VERTICAL FACE RETROFIT RAILING PER FDOT INDEX 521-404, SCHEME 2 ON SOUTH RAILING ENDS AND SCHEME 4 ON NORTH RAILING ENDS.
2. PROVIDE TEMPORARY SHORING SUPPORT FOR CATWALK SUPPORT BRACKETS WITHIN LIMITS OF CONCRETE RAILING REMOVAL AND MODIFY BRACKET RAILING POST ANCHORAGE PER DETAILS ON SHEET NO. 10 "CONSTRUCTION DETAILS II".
3. INSTALL NEW BULLET RAILING ON NORTH CONCRETE RAILING PER FDOT INDEX 515-021 AND 515-022, POST C2. BULLET RAIL ONLY PARTIALLY SHOWN FOR CLARITY.

BRIDGE NO. 864009

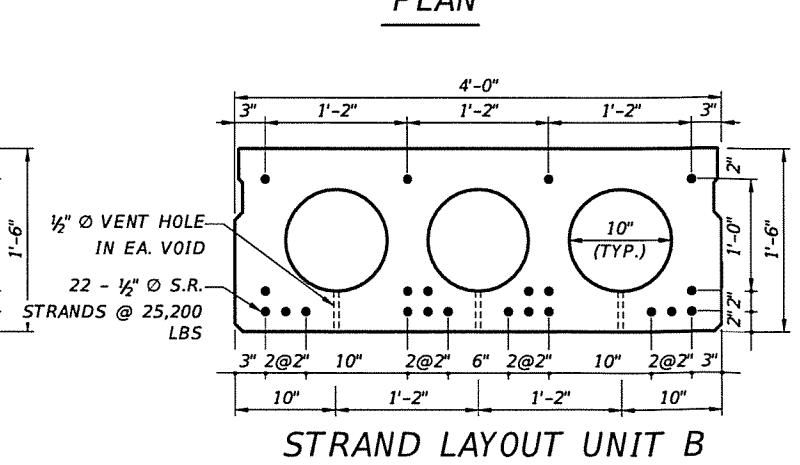
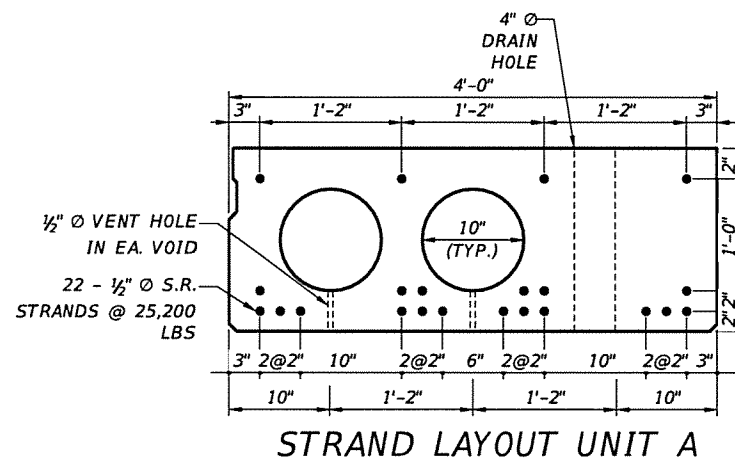
REVISIONS				
DATE	NO.	REMARKS	BY	DATE



BRIDGE REPAIRS		RIVERSIDE DR BRIDGE OVER W OUTFALL DRAINAGE CANAL	SHEET NO.
ROAD	HBMD PROJ. NO.		
RIVERSIDE DR	2022-1-202	BRIDGE PLAN AND ELEVATION	4



PLAN

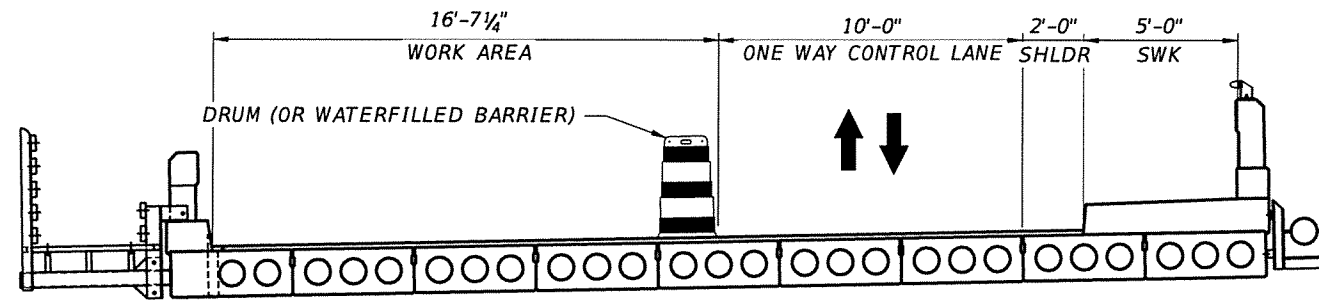


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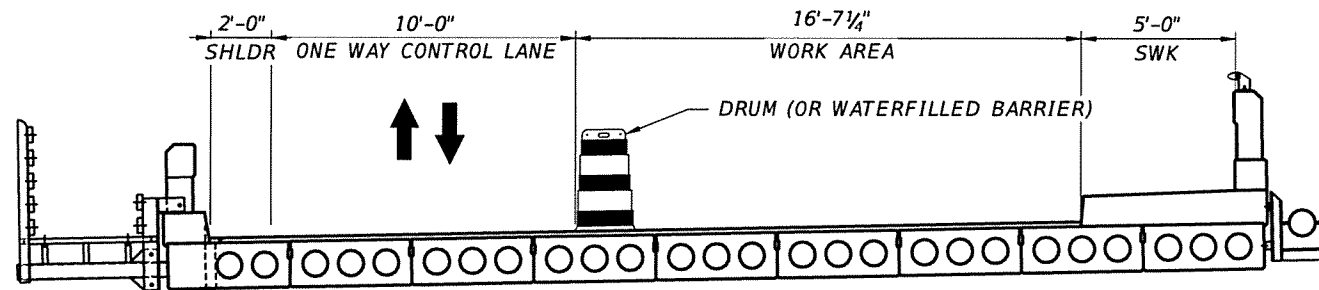
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DATE	NO.	REMARKS	BY	DATE



BRIDGE REPAIRS		RIVERSIDE DR BRIDGE OVER W OUTFALL DRAINAGE CANAL	SHEET NO. 5
ROAD RIVERSIDE DR	HBMD PROJ. NO. 2022-1-202		
PRESTRESSED SLAB UNIT LAYOUT			



PHASE I



PHASE II

NOTES:

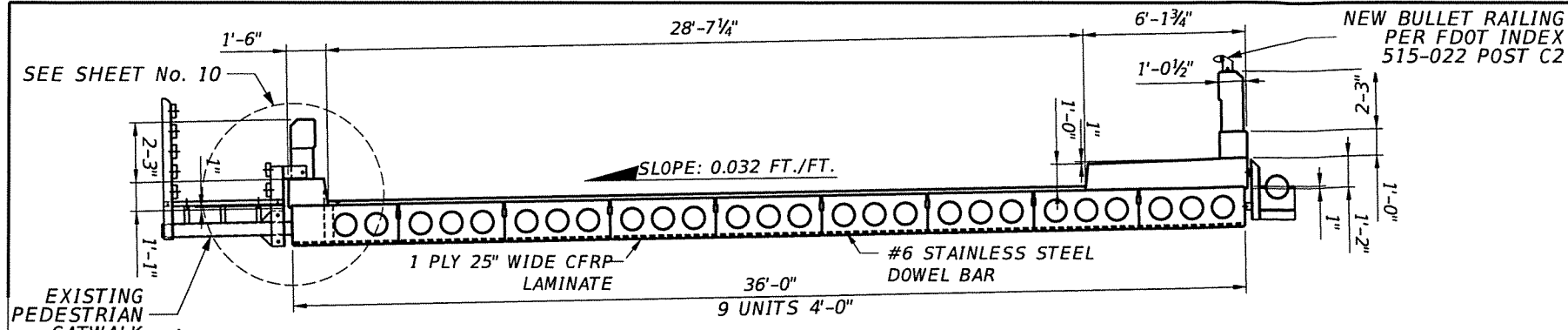
1. REFER TO FDOT STANDARD PLANS INDEX 102-603 "TWO-LANE, TWO-WAY WORK WITHIN THE TRAVEL WAY".
2. REFER TO FDOT STANDARD PLANS INDEX 102-600 "GENERAL INFORMATION FOR TRAFFIC CONTROL THROUGH WORK ZONES".
3. FOR BOTH PHASES, MILL EXISTING ASPHALT OVERLAY, INSTALL WATERPROOFING MEMBRANE, AND PAVE NEW ASPHALT OVERLAY.
4. CONTRACTOR SHALL NOTIFY ENGINEER AT A MINIMUM 2 WEEKS PRIOR TO LANE CLOSURES AND SUBMIT PROPOSED LANE CLOSURE SCHEDULE FOR REVIEW AND APPROVAL.
5. ALTERNATIVELY, CONTRACTOR MAY SUBMIT A REQUEST TO CLOSE THE BRIDGE ON A WEEKEND AND SUBMIT A DETOUR PLAN FOR REVIEW AND APPROVAL.

BRIDGE NO. 864009

REVISIONS				
DATE	NO.	REMARKS	BY	DATE



BRIDGE REPAIRS		RIVERSIDE DR BRIDGE OVER W OUTFALL DRAINAGE CANAL	SHEET NO.
ROAD	HBMD PROJ. NO.	ROADWAY CONSTRUCTION SEQUENCE	6
RIVERSIDE DR	2022-1-202		

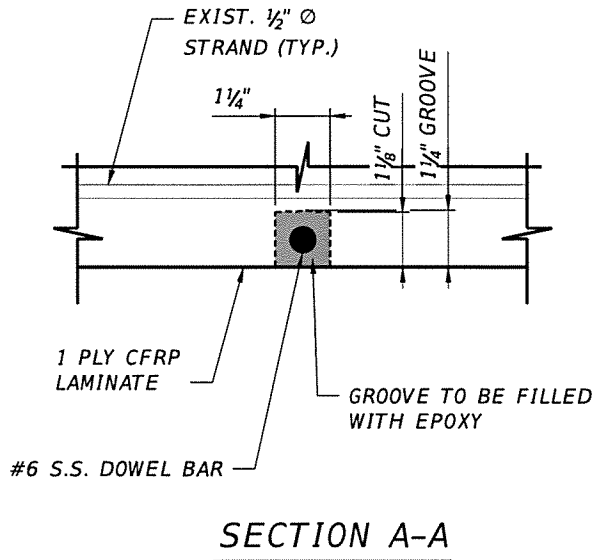
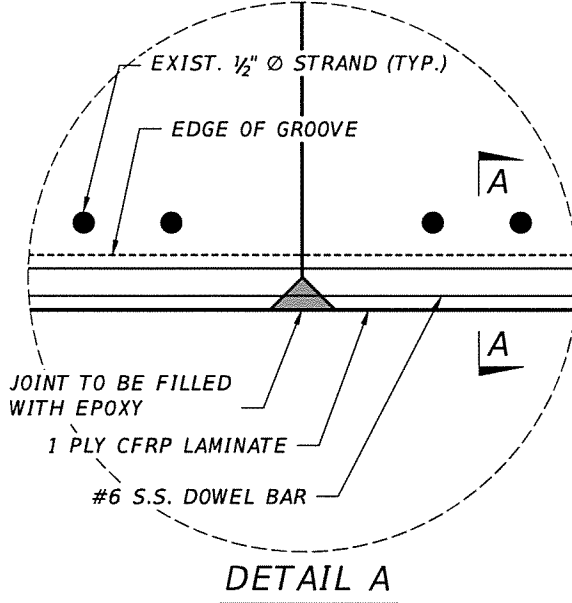
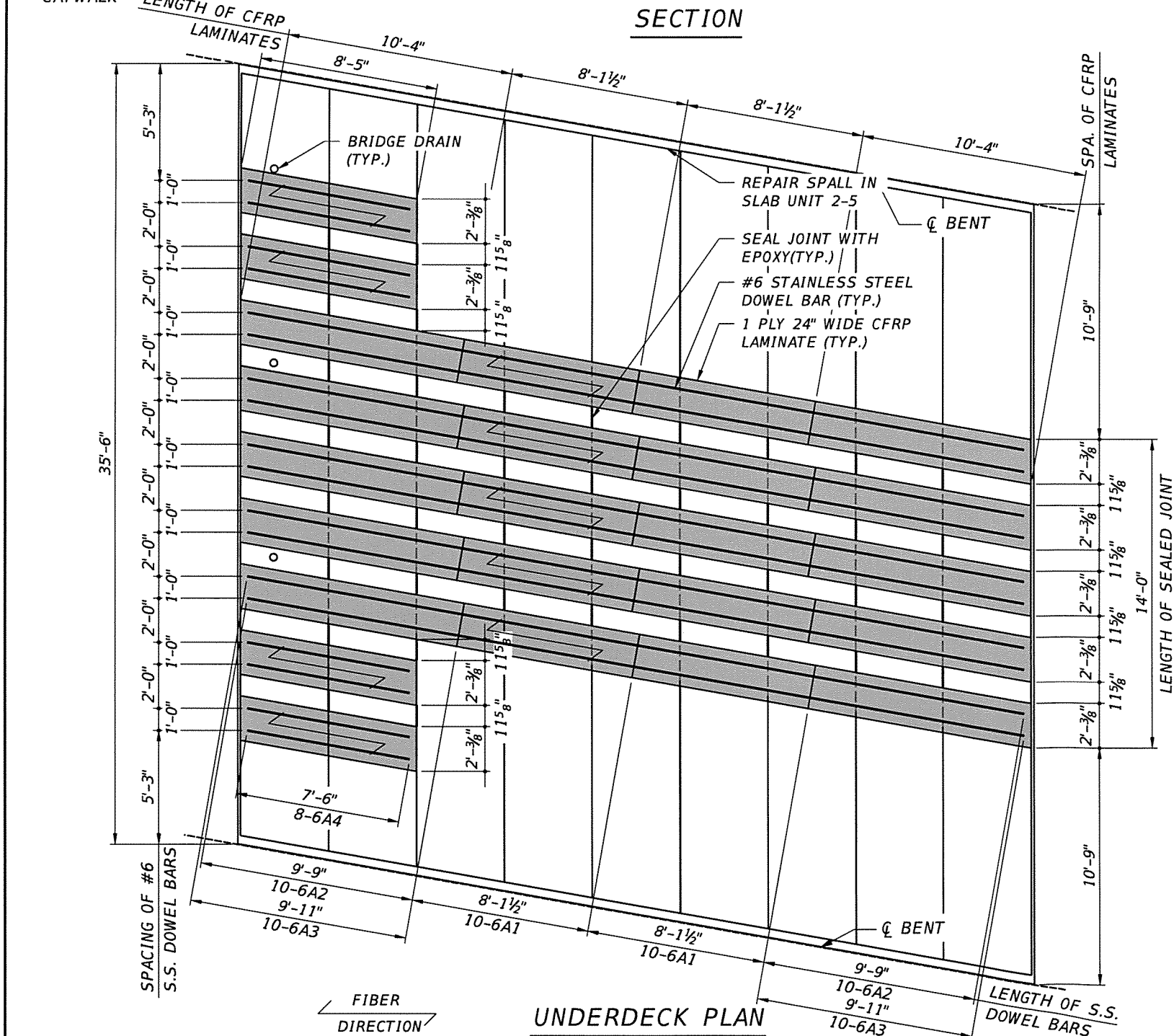


NOTES:

1. CONTRACTOR TO NOTIFY ENGINEER AFTER THE LOCATION OF GROOVES HAS BEEN STRING LINED FOR APPROVAL BY THE ENGINEER.
2. NO CUTTING IS ALLOWED UNTIL CONCRETE COVER TO EXISTING STRANDS HAS BEEN FIELD VERIFIED BY THE ENGINEER.
3. THE 1/8" DEEP CUT AS SHOWN ON THIS SHEET MAY BE ADJUSTED BY THE ENGINEER BASED ON FIELD COVER MEASUREMENTS.

PROCEDURE:

1. SAWCUT (10) TRANSVERSE 1/4"x1/8" GROOVES BY WAY OF 2 ADJACENT SAWCUTS AND CHIP OUT INTERSTITIAL CONCRETE BETWEEN SAWCUTS TO ACHIEVE A FINAL 1/4" DEPTH. CIRCULAR SAW TO BE MOUNTED ON STEEL TRACKS ALONG THE GROOVE PATH.
2. CLEAN GROOVES THOROUGHLY OF DIRT AND DUST WITH HIGH PRESSURE AIR COMPRESSOR.
3. PLACE #6 STAINLESS STEEL DOWEL BARS CENTERED WITHIN THE GROOVES. USE STAINLESS STEEL SELF DRILLING SCREWS TO SECURE THE BARS.
4. DOWEL BARS SHALL NOT BUTT UP AGAINST STRANDS. IN CASES WHERE DOWEL BARS MUST BUTT UP AGAINST STRANDS, SEPERATE DOWEL BARS FROM STRANDS WITH DIELECTRIC TAPE.
5. INSERT EPOXY TO FILL ALL EMPTY SPACE WITHIN THE GROOVES, ALL AROUND THE STAINLESS STEEL DOWELS.
6. FILL LONGITUDINAL JOINTS BETWEEN SLAB UNITS WITH EPOXY TO THE LIMITS SHOWN IN THESE PLANS.
7. CLEAN AND PATCH ALL EXPOSED SPALLS AND DELAMINATIONS, SEE DETAILS ON SHEET NO. 10.
8. PREPARE CONCRETE SURFACE TO RECEIVE CFRP LAMINATES PER TSP T100.
9. APPLY CFRP LAMINATES PER TSP T100.
10. APPLY UV PROTECTIVE COATING.

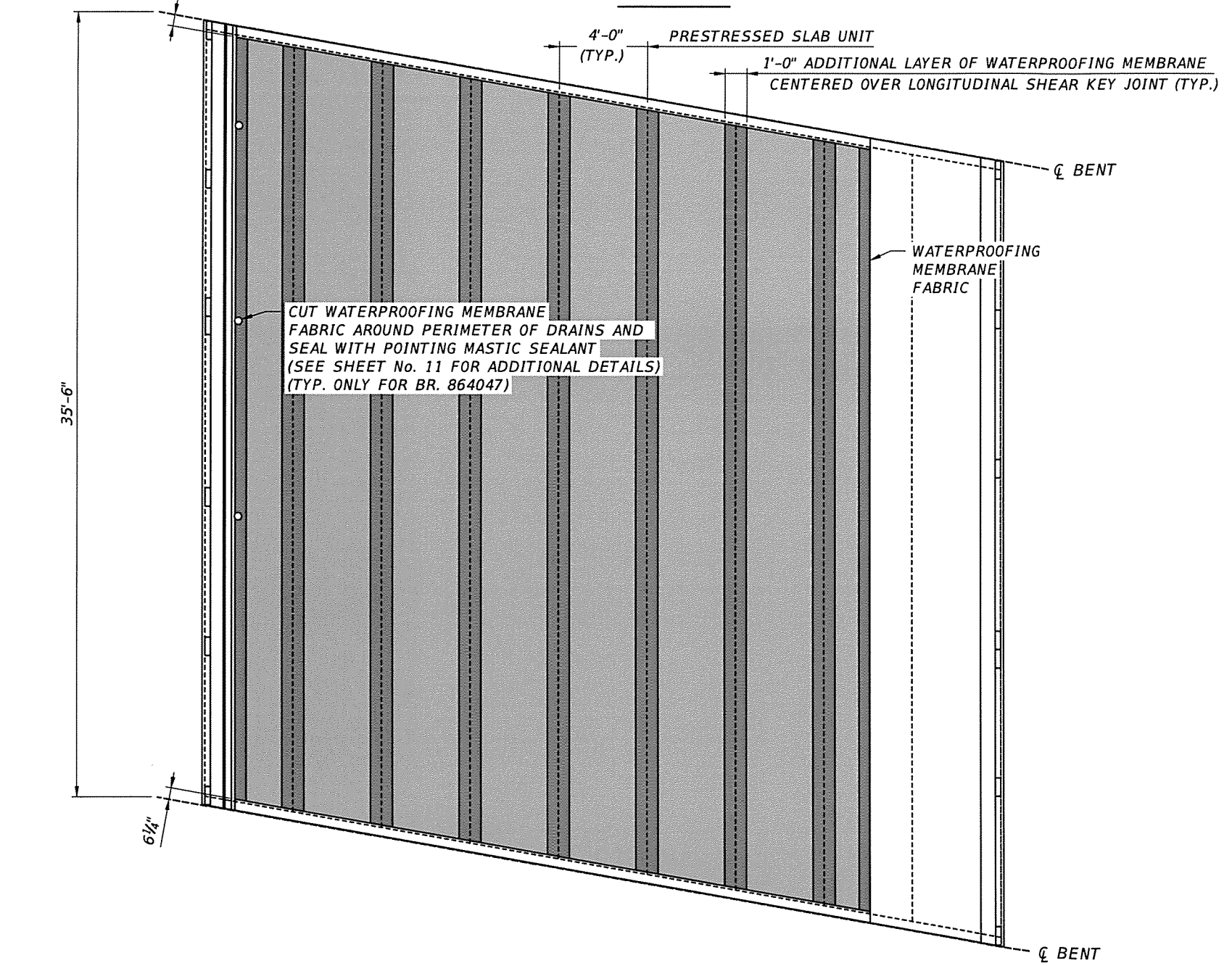
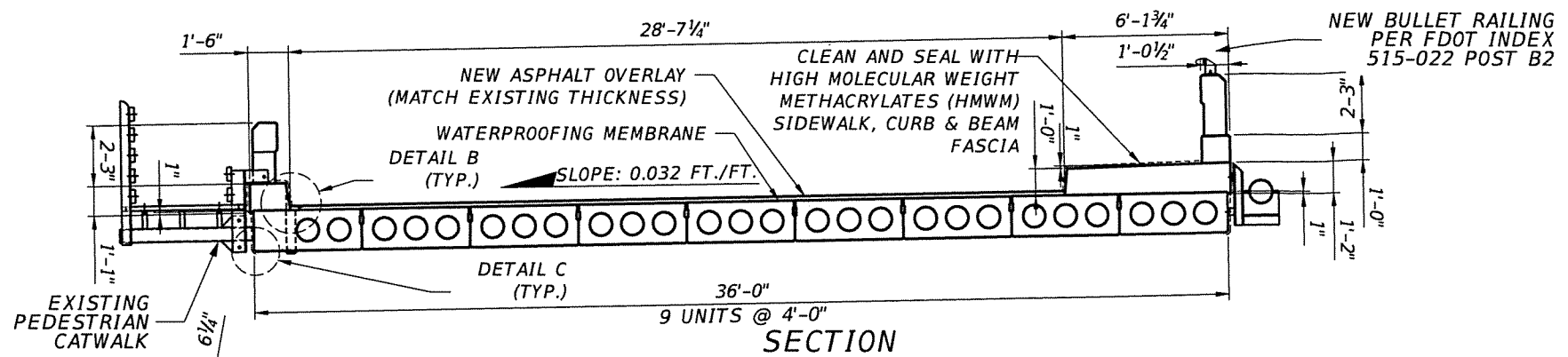


BRIDGE NO. 864009

REVISIONS				
DATE	NO.	REMARKS	BY	DATE



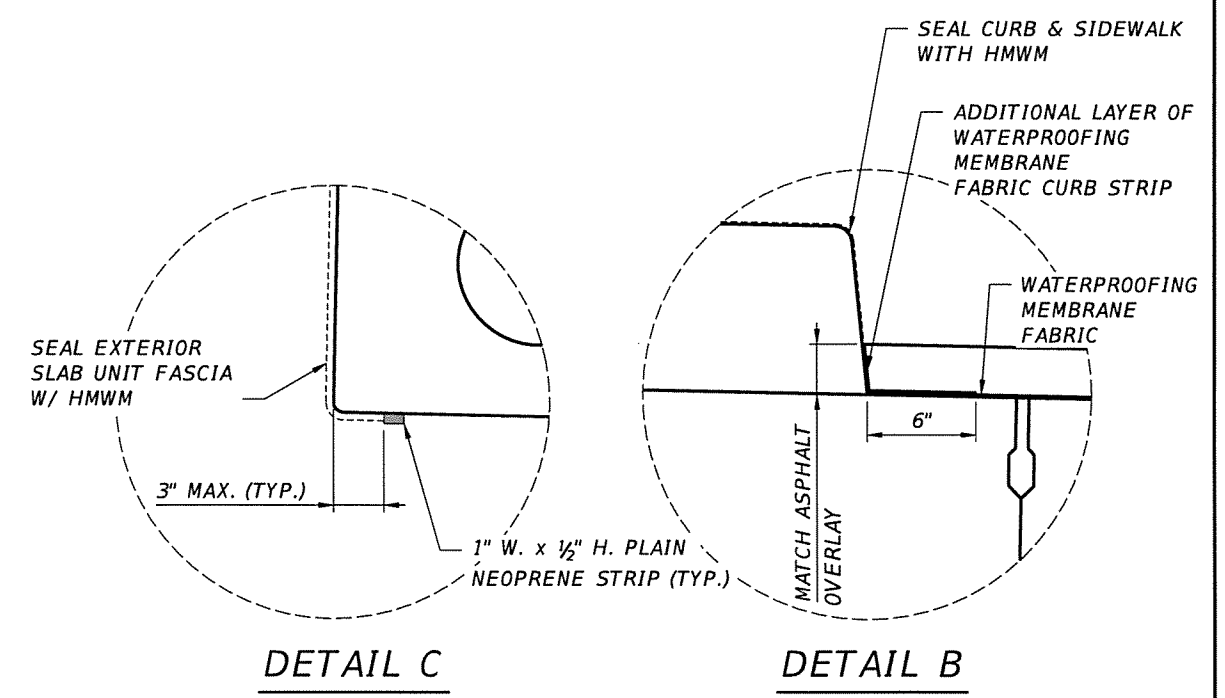
BRIDGE REPAIRS		RIVERSIDE DR BRIDGE OVER W OUTFALL DRAINAGE CANAL	SHEET NO. 7
ROAD RIVERSIDE DR	HBMD PROJ. NO. 2022-1-202	UNDERDECK STRENGTHENING PROCEDURE	



PLAN

NOTES:

1. MILL EXISTING ASPHALT OVERLAY TO TOP OF DECK. DO NOT DAMAGE THE TOPS OF THE PRECAST PRESTRESSED CONCRETE SLAB UNITS.
2. REPAIR ALL DELAMINATIONS AND SPALLS ON THE TOPS OF THE PRECAST PRESTRESSED CONCRETE SLAB UNITS, AS PER DETAILS ON SHEET NO. 10.
3. APPLY WATERPROOFING MEMBRANE FABRIC AS PER FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (2000) SECTION 518 "PAVEMENT WATERPROOFING FABRIC" AND IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATION.
4. WATERPROOFING FABRIC SHALL BE PLACED IN A SHINGLE PATTERN STARTING FROM THE LOW POINT AND HAVE A MINIMUM OF 3 INCHES SIDE LAPS AND A MINIMUM OF 6 INCHES END LAPS. IN ADDITION, A 1 FOOT ADDITIONAL LAYER OF WATERPROOFING MEMBRANE SHALL BE PROVIDED CENTERED ALONG LONGITUDINAL SHEAR KEYS BETWEEN SLAB UNITS.
5. AT CURBS, AN ADDITIONAL WATERPROOFING STRIP SHALL BE PROVIDED EXTENDING 6 INCHES ONTO THE HORIZONTAL AND MATCH THE ASPHALT OVERLAY THICKNESS ON THE VERTICAL FACE, SEE DETAIL B. THE THICKNESS OF ASPHALT OVERLAY IS TO BE DETERMINED UPON REMOVAL OF THE EXISTING ASPHALT.
6. ROLL MEMBRANE FIRMLY TO ELIMINATE WRINKLES AND AIR POCKETS.
7. WATERPROOFING FABRIC SHALL TERMINATE AT BENT EXPANSION JOINTS 6" FROM THE EDGES OF THE DECK TO ACCOMMODATE THE EXPANSION JOINT NOSING.
8. WATERPROOFING TERMINATIONS SHALL BE SEALED WITH POINTING MASTIC SEALANT INCLUDING AROUND BRIDGE DRAINS.
9. PLACE PLAIN NEOPRENE STRIPS GLUED WITH EPOXY ALONG EXTERIOR LONGITUDINAL EDGES OF EXTERIOR SLAB UNITS, OMITTING LOCATIONS WHERE CFRP LAMINATES ARE PROVIDED. SEE DETAIL C. THE NEOPRENE STRIPS SHALL BE PLACED PRIOR TO THE APPLICATION OF HMWM.
10. APPLY HMWM PER FDOT SPECIFICATION SECTION 413 AT LOCATIONS SHOWN AND DESCRIBED IN THESE PLANS. OMIT APPLICATION OF SAND DURING HMWM APPLICATION.

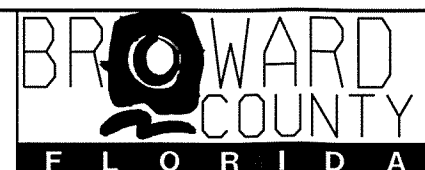


DETAIL C

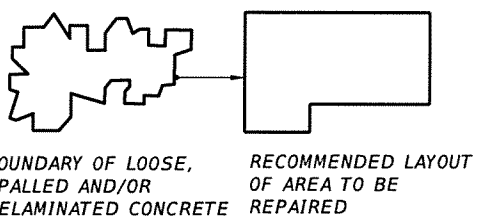
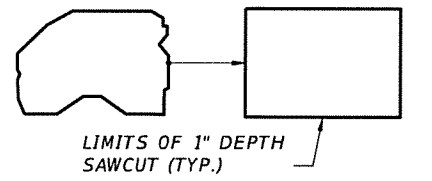
DETAIL B

BRIDGES NO. 864046 & 864047

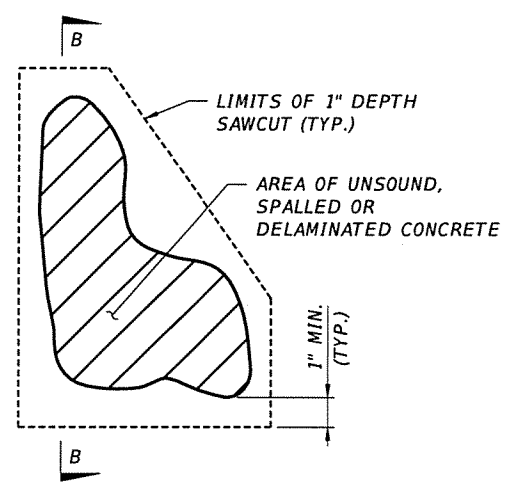
REVISIONS				
DATE	NO.	REMARKS	BY	DATE



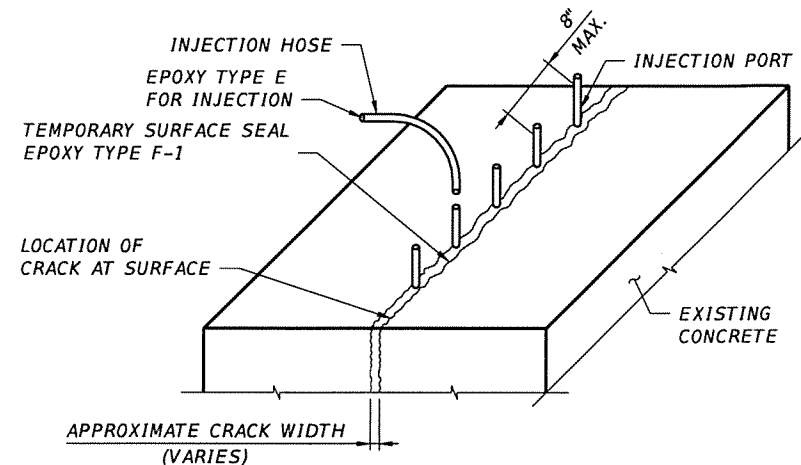
BRIDGE REPAIRS		RIVERSIDE DR BRIDGE OVER W OUTFALL DRAINAGE CANAL	SHEET NO.
ROAD	HBMD PROJ. NO.		
RIVERSIDE DR	2022-1-202	DECK WATERPROOFING PROCEDURE	8



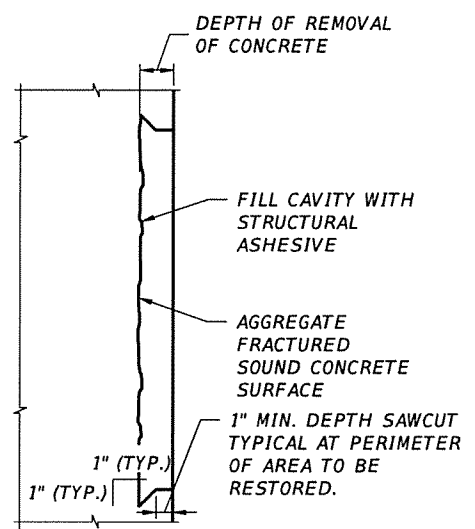
TYPICAL SPALL/DELAMINATION REPAIR CONFIGURATIONS



PARTIAL DEPTH REPAIR PLAN

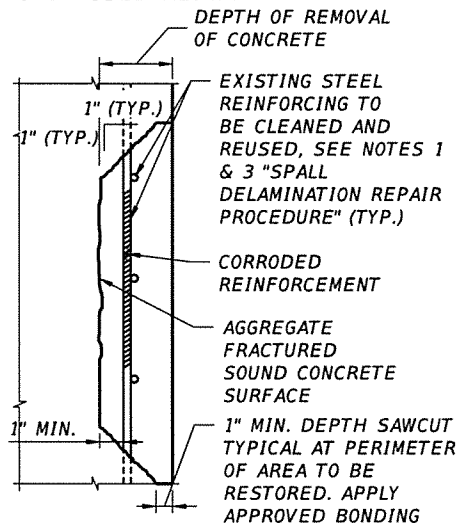


EPOXY INJECT AND SEAL CRACK REPAIR



SECTION B-B

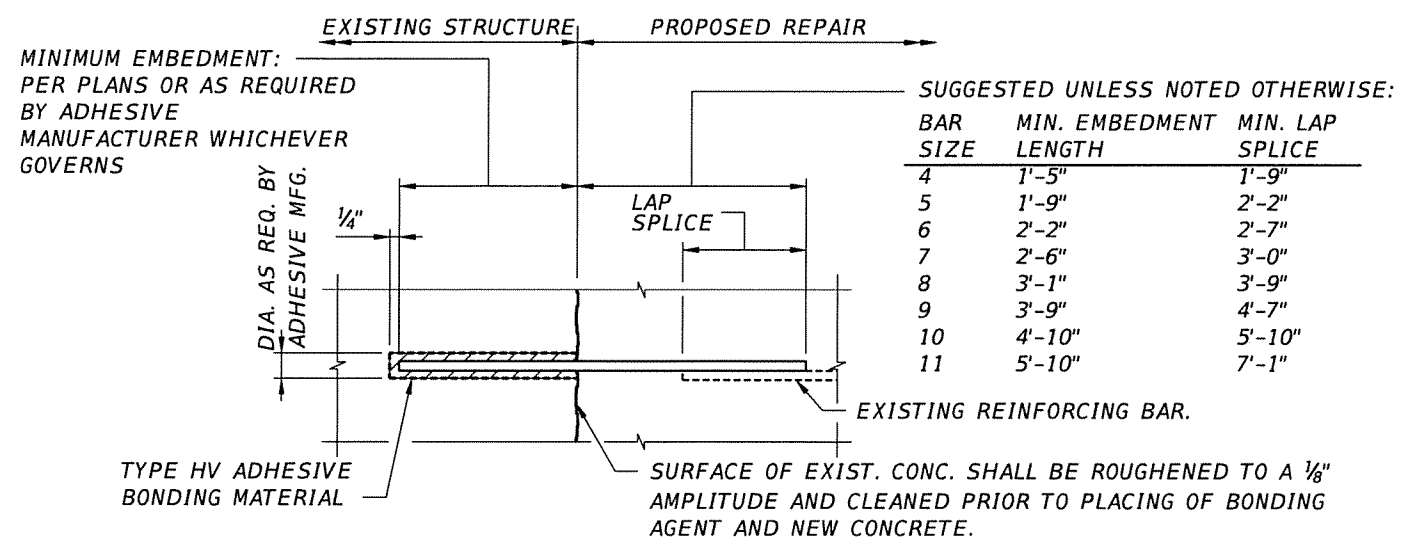
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SECTION B-B

EXPOSED REINF.

SPALL/DELAMINATION REPAIR DETAILS



DOWEL DETAIL

DOWEL PROCEDURE

- HOLES FOR DOWEL BARS SHALL BE SOUND AND THOROUGHLY CLEANED AS PER MANUFACTURER'S RECOMMENDATIONS PRIOR TO PLACING EPOXY AND DOWELS.
- HOLES SHALL HAVE A MINIMUM OF 3" CLEARANCE FROM THE EDGE OF THE CONCRETE.
- LENGTH OF DOWEL EMBEDMENT SHALL BE SET IN A STRUCTURAL ADHESIVE BONDING COMPOUND DESIGNATED AS TYPE HV. SEE FDOT APPROVED PRODUCTS LIST (APL) AND FDOT STANDARD SPECIFICATIONS SECTIONS 416 AND 937 FOR DETAILS.
- WHERE REINFORCING STEEL IS ENCOUNTERED, SHIFT THE HOLE TO CLEAR AND FILL THE UNUSED DRILLED HOLE WITH EPOXY.
- THE SUGGESTED MINIMUM REQUIRED EMBEDMENT LENGTH FOR DOWEL BARS EXTENDING INTO THE PROPOSED REPAIR IS SHOWN. THIS EMBEDMENT LENGTH MAY VARY AT LOCATIONS REQUIRING LAPPING TO PROPOSED REINFORCING, ETC. AS DETAILED IN THESE PLANS.

SPALL/DELAMINATION REPAIR PROCEDURE

- CONTRACTOR SHALL USE EXTREME CAUTION NOT TO DAMAGE EXISTING REINFORCING STEEL. REINFORCING STEEL SHALL BE MEDIA BLASTED TO A SSPC SP10 CONDITION. IF ANY REINFORCING STEEL IS DAMAGED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER FOR ADDITIONAL INSTRUCTIONS ON THE APPLICABLE REPAIR. ANY REINFORCING STEEL THAT IS DAMAGED BY THE CONTRACTOR IS TO BE REPAIRED AT NO COST TO THE COUNTY.
- PROVIDE AN AGGREGATE-FRACTURED SOUND CONCRETE SURFACE WITH AN APPROXIMATE SURFACE PROFILE AMPLITUDE OF 1/8" BY USE OF SCRABBLER OR OTHER APPROPRIATE MEANS AS NECESSARY.
- IF THE EXISTING REINFORCEMENT HAS LOST MORE THAN 20% OF ITS CROSS SECTION, A NEW BAR OF EQUAL SIZE (DIAMETER) SHALL BE DRILLED AND EPOXIED WITH AN EMBEDDED LENGTH AND/OR LAP SPLICE AS INDICATED IN THESE PLANS. IN NO CASE SHALL ANY REBAR BE PLACED WITH A COVER LESS THAN EXISTING COVER.
- PLACE FORM WORK. FORM WORK MAY BE SUPPORTED BY STAINLESS STEEL INSERTS WHERE REQUIRED. STAINLESS STEEL INSERTS WILL BE LOCATED IN SOUND CONCRETE AND MAY REMAIN IN PLACE. STAINLESS STEEL INSERTS LEFT IN PLACE SHALL BE RECESSED AT LEAST 1" AND PATCHED.
- THE CONTRACTOR SHALL ADHERE TO THE REQUIREMENTS OF FDOT STANDARD SPECIFICATIONS SECTION 930. PLACE THE LATEX MODIFIED PORTLAND CEMENT MORTAR/CONCRETE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

GENERAL CRACK REPAIR PROCEDURE:

- ALL CRACKS CALLED OUT TO BE REPAIRED IN THESE PLANS ARE NON STRUCTURAL AND SHALL BE REPAIRED IN ACCORDANCE WITH SECTIONS 400-21, 411 AND 413 OF FDOT SPECIFICATIONS.
- SOUND TEST AROUND THE CRACKS PRIOR TO INJECTING TO ASSURE THAT IT IS NOT DELAMINATED. IF CONCRETE AROUND THE CRACK IS DELAMINATED, REPAIR AS A DELAMINATION PRIOR TO REPAIRING CRACK.
- EPOXY INJECTION CONCRETE WITH CRACKS WIDTH EQUAL OR GREATER THAN 3/16".
- USE TYPE F-1 COMPOUND EPOXY FOR SEALING CRACK SURFACES IN PREPARATION FOR INJECTION. REFER TO SECTION 411 OF STANDARD SPECIFICATIONS FOR ADDITIONAL INFORMATION. GRIND OFF THE EXCESS EPOXY AND PORTS TO THE EXISTING PROFILE AFTER EPOXY INJECTION IS COMPLETED AND EPOXY HAS SET.

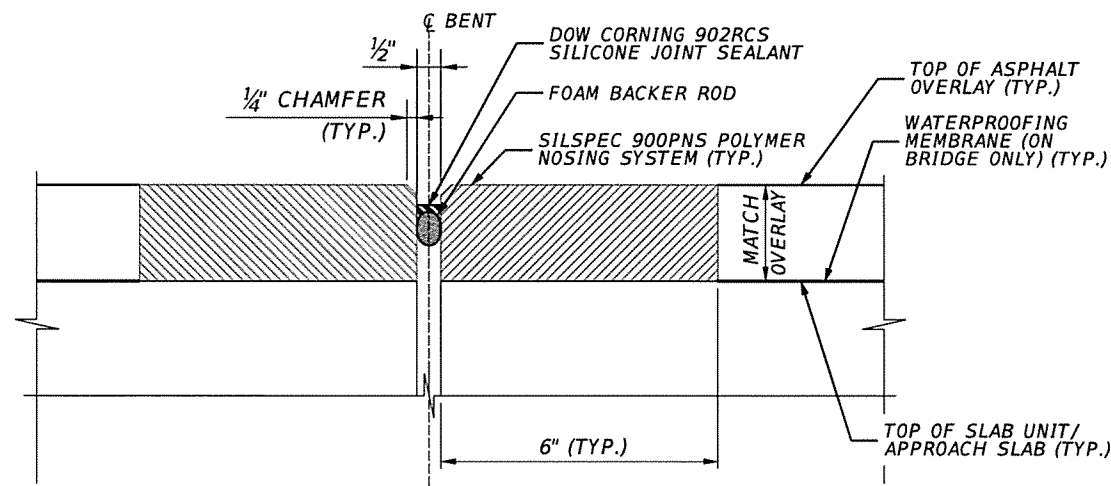
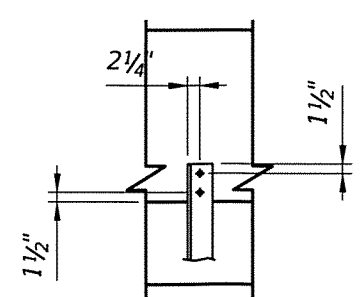
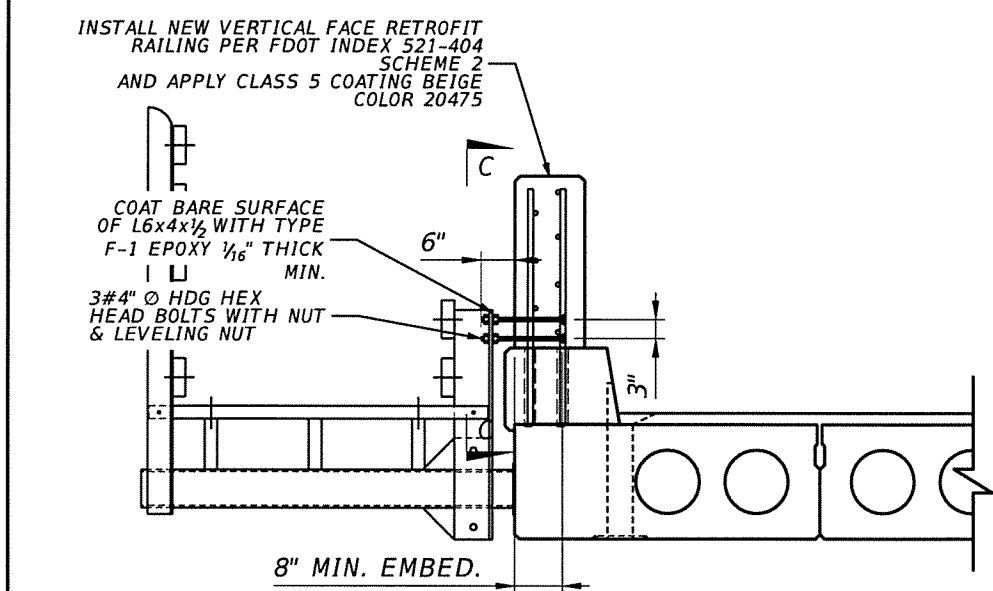
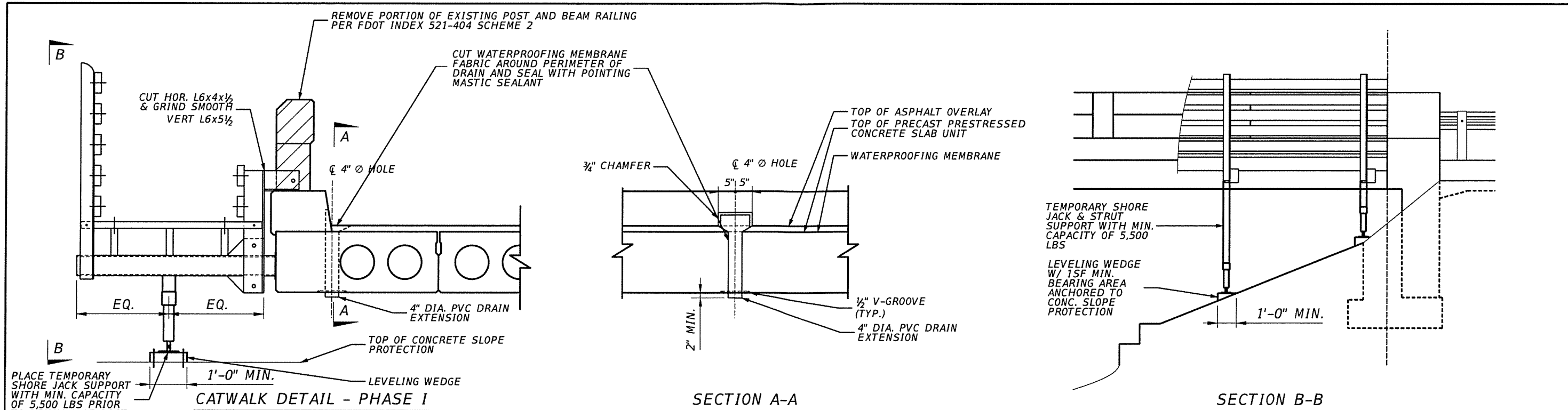
BRIDGE NO. 864009

REVISIONS				
DATE	NO.	REMARKS	BY	DATE

BROWARD COUNTY HIGHWAY AND BRIDGE MAINTENANCE DIVISION
1600 BLOUNT ROAD
POMPANO BEACH, FL 33069



BRIDGE REPAIRS		RIVERSIDE DR BRIDGE OVER W OUTFALL DRAINAGE CANAL	SHEET NO.
ROAD	HBMD PROJ. NO.	CONSTRUCTION DETAILS I	9
RIVERSIDE DR	2022-1-202		



- NOTES:**
- CONTRACTOR TO SUBMIT TEMPORARY SHORING SUPPORT PLAN FOR REVIEW AND APPROVAL. TEMPORARY SHORING TO BE INSTALLED PRIOR TO REMOVAL OF EXISTING RAILING AND CATWALK CONNECTION AND REMOVED AFTER NEW RAILING AND CATWALK CONNECTION HAS BEEN INSTALLED.
 - EXTEND EXISTING BRIDGE DRAINS BY CLEANING THE EXISTING EXPOSED PVC PIPE ENDS AND EPOXY GLUING NEW 4" DIAMETER PVC PIPE EXTENSIONS TO EXISTING PVC PIPES SO THAT THE PIPE EXTENSIONS EXTEND 2" MINIMUM BELOW BOTTOM OF SLAB UNITS.

BRIDGE NO. 864009

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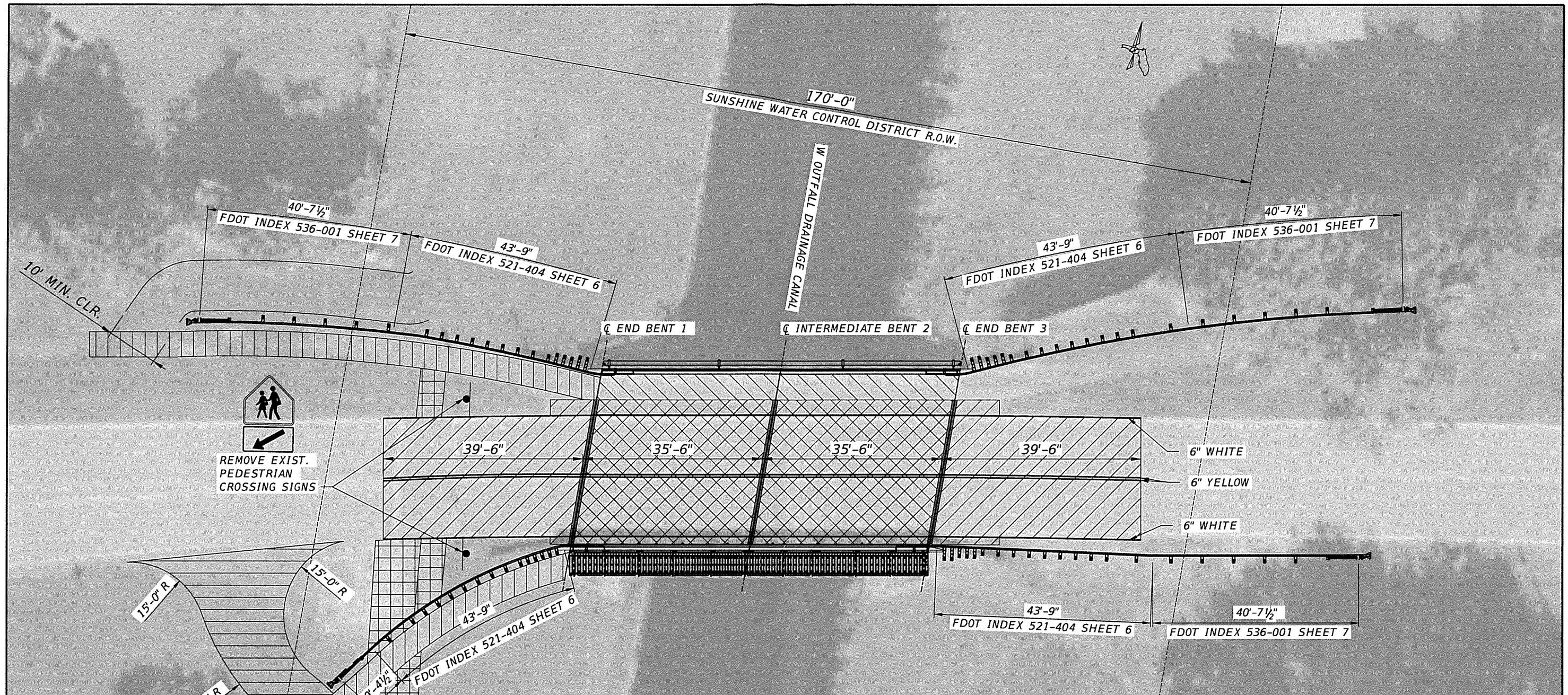
BROWARD COUNTY HIGHWAY AND BRIDGE MAINTENANCE DIVISION
1600 BLOUNT ROAD
POMPANNO BEACH, FL 33069



BRIDGE REPAIRS	
ROAD	HBMD PROJ. NO.
RIVERSIDE DR	2022-1-202

RIVERSIDE DR BRIDGE OVER W OUTFALL DRAINAGE CANAL	
CONSTRUCTION DETAILS II	

SHEET NO.
10



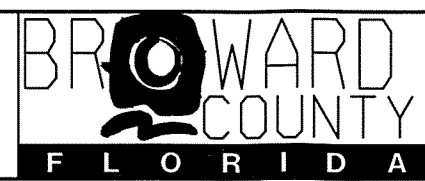
PLAN

LEGEND:

- MILLING 1" AND RESURFACING WITH ASPHALTIC CONCRETE FRICTION COURSE, TRAFFIC C, FC-9.5, PG76-22.
- MILLING TO TOP OF CONCRETE DECK, WATERPROOFING MEMBRANE INSTALLATION & RESURFACING (DEPTH TO MATCH EXISTING)
- POWERWASHING & APPLICATION OF HIGH MOLECULAR WEIGHT METHACRYLATES
- REMOVE EXISTING EXPANSION JOINT INCLUDING POLYMER NOSING, SAWCUT FULL DEPTH NEW ASPHALT OVERLAY TO ACCOMODATE NEW EXPANSION JOINT NOSING AND INSTALL NEW EXPANSION JOINT IN ROADWAY, SIDEWALKS AND CURBS INCLUDING POLYMER NOSING.
- REMOVE SOD AND PLACE 4" THICK GRAVEL PATH. GRAVEL SHALL BE SIMILAR TO EXISTING. SUBMIT GRAVEL TYPE TO THE ENGINEER FOR REVIEW.
- REMOVE EXISTING ASPHALT SIDEWALK AND REPLACE WITH NEW CONCRETE SIDEWALK PER BROWARD COUNTY MINIMUM STANDARDS SECTION 6-1.14 AND DWG. NO. 14.
- REMOVE EXISTING ASPHALT SIDEWALK/GRAVEL PATH AND PLACE SOD.

BRIDGE NO. 864009

REVISIONS				
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BRIDGE REPAIRS		RIVERSIDE DR BRIDGE OVER W OUTFALL DRAINAGE CANAL	ROADWAY PLAN	SHEET NO. 11
ROAD	HBMD PROJ. NO.			
RIVERSIDE DR	2022-1-202			

**SUNSHINE
WATER CONTROL DISTRICT**

**STAFF
REPORTS
E**

SUNSHINE WATER CONTROL DISTRICT

BOARD OF SUPERVISORS FISCAL YEAR 2022/2023 MEETING SCHEDULE

LOCATION

La Quinta Inn Coral Springs, 3701 N. University Drive, Coral Springs, Florida 33065

² Sartory Hall, 10150 NW 29 St., Coral Springs, Florida 33065

DATE	POTENTIAL DISCUSSION/FOCUS	TIME
October 12, 2022	Regular Meeting	6:30 PM
November 9, 2022 CANCELED WEATHER RELATED	401(a) Committee Meeting	6:00 PM
November 9, 2022 CANCELED WEATHER RELATED	Regular Meeting	6:30 PM
December 7, 2022*	Regular Meeting	6:30 PM
December 16, 2022	401(a) Committee Meeting	10:00 AM
January 11, 2023	Regular Meeting	6:30 PM
February 8, 2023 ²	Regular Meeting	6:30 PM
March 8, 2023 ²	Landowners' Meeting & Regular Meeting	6:30 PM
April 12, 2023 ²	Regular Meeting	6:30 PM
May 10, 2023 ²	Regular Meeting	6:30 PM
June 14, 2023 ²	401(a) Committee Meeting	6:00 PM
June 14, 2023 ²	Regular Meeting	6:30 PM
July 12, 2023 ²	Regular Meeting	6:30 PM
August 9, 2023 ²	Regular Meeting	6:30 PM
September 13, 2023 ²	Public Hearing & Regular Meeting	6:30 PM

Exception:

**December meeting is one week earlier to accommodate Coral Springs Holiday Parade*